



November 2, 2021

Ms. Lisa Gorton, PE
Project Manager, Division of Environmental Remediation
New York State Department of Environmental Conservation
625 Broadway, 12th Floor
Albany, NY 12233-7011

Re: Results of the Geotechnical and Environmental Investigation
Sampling Program for the Ridgeway Properties 1, LLC Parcels; 50
and 205 McLaughlin Road, Town of Greece, New York

Dear Ms. Gorton:

Attached please find the report of the results of the geotechnical and environmental investigation work performed by Li-Cycle North America Hub, Inc. ("Li-Cycle") of the property owned by Ridgeway Properties 1, LLC located at 50 and 205 McLaughlin Road, Town of Greece, New York (the "Site"). Li-Cycle conducted this soil sampling and analysis work in advance of the proposed redevelopment of the Site for Li-Cycle's hydrometallurgical manufacturing operations (hereafter referred to as its "Commercial Hub" & "Warehouse" operations).

Environmental Investigation Activities

As you know and consistent with the June 21, 2021 Work Plan submitted to the New York State Department of Environmental Conservation ("NYSDEC"), Li-Cycle retained ERM Consulting & Engineering, Inc. ("ERM") to provide observation oversight during the geotechnical drilling activities and perform environmental sampling of soils for VOCs, SVOCs, metals, 1,4-dioxane, per- and poly- fluoroalkyl substances ("PFAS") and/or polychlorinated biphenyls ("PCBs") based on photoionization detector ("PID") field-screening results at the Site.

Investigation Results

The attached report provides a summary of the field investigation activities and the analytical results of the sampling program, compared to the Part 375 Site Cleanup Objectives (SCOs) for Restricted Commercial Use. Based on the analytical results of this sampling program, no soil samples exceeded any of their respective Restricted Commercial Use SCOs. As such, it is Li-Cycle's intent to use the NYSDEC previously-approved 2014 data and these new 2021 data generated through this investigation program, along with the judgment of Li-Cycle's environmental professionals, to reuse the Site soils during on-site construction and



50 & 205 McLaughlin Road
Greece, NY 14606, United States
Tel. +1 877 LI-CYCLE • www.li-cycle.com

property redevelopment on the property owned by Ridgeway Properties 1, LLC in Eastman Business Park South located at or adjacent to 50 and 205 McLaughlin Road.

With the possible exception of the planned Site Security guardhouse, Li-Cycle believes that the results of the 2014 investigation along with the new 2021 investigation data, demonstrate that any Soil Vapor Intrusion ("SVI") concerns that may have potentially existed have been adequately addressed and eliminated. Since the Site Security guardhouse will be situated on land in close proximity above the existing subsurface Chlorinated VOC ("CVOC") groundwater plume, Li-Cycle intends to install sub-slab depressurization system ("SSDS") piping beneath the guardhouse as a proactive and precautionary measure. Once the guardhouse is constructed and operational, Li-Cycle will conduct indoor air sampling to verify that no SVI concerns are present above NYSDOH indoor air guidelines.

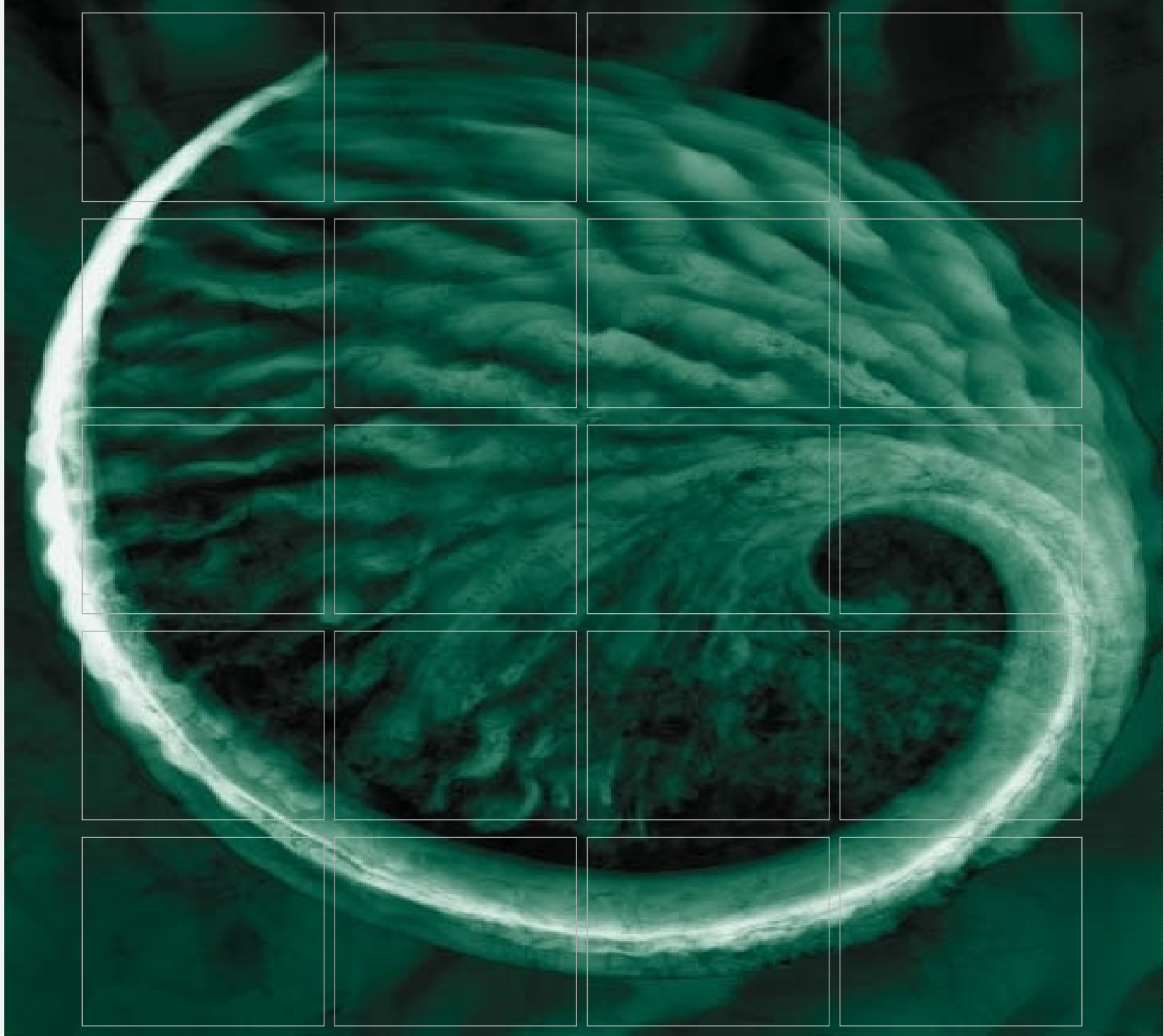
With this submittal, Li-Cycle is requesting the NYSDEC's concurrence with Li-Cycle's plans for soil reuse at the Site and the limited SVI precautionary mitigation measure to be undertaken.

Thank you for your attention to this matter. If you have any questions concerning this request, please contact Li-Cycle's Kurtis Boehm at (205) 634-0129 (kurtis.boehm@li-cycle.com) or me at (647) 660-2992 (chris.biederman@li-cycle.com).

Sincerely,

Chris Biederman
Chief Technology Officer
Li-Cycle North America Hub, Inc.

Cc: K. Boehm, Li-Cycle
D. Murtha, ERM
R. Sents, ERM
S. Copey, Town of Greece



Investigation & Oversight of the Geotechnical Drilling & Sampling Program

Ridgeway Properties 1, LLC
50 and 205 McLaughlin Drive
Town of Greece, New York

Li-Cycle North America Hub, Inc.

27 October 2021

Project No.: 0563864

The business of sustainability



Document details	
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Investigation & Oversight of the Geotechnical Drilling & Sampling Program

Ridgeway Properties 1, LLC
50 and 205 McLaughlin Drive
Town of Greece, New York


Li-Cycle North America Hub, Inc.



Robert Sents, P.G.
Principal Consultant



Katherine Popyack
Field Geologist



David T. Murtha, QEP, CVI, TWIC
Project Manager & Consulting Director



Gary M. Keating
Partner-in-Charge

ERM Project No. 0563864

ERM Consulting and Engineering, Inc.
345 Woodcliff Drive
Fairport, New York 14450

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ACRONYMS AND ABBREVIATIONS

B##-#	Boring location number
EB	Equipment Blank
ELAP	Environmental Laboratory Approval Program
ERM	ERM Consulting & Engineering, Inc.
IDW	Investigation-Derived Waste
LOI	Letter of Intent
MDL	Method Detection Limit
mg/kg	Milligrams per kilogram
µg/kg	Micrograms per kilogram
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PCBs	Polychlorinated Biphenyls
PFAS	Per and Poly Fluoro-Alkylated Substances
PFOA	Perfluorooctanoic Acid
PID	Photo-ionization Detector
PTFE	Polytetrafluoroethylene
PP	Polypropylene
PVC	Polyvinyl Chloride
QC/QA	Quality Control/Quality Assurance
SCO	Soil Clean-up Objectives (in accordance with 6 NYCRR Part 375)
SVI	Soil Vapor Intrusion
SVOC	Semi-volatile Organic Compound
TB	Trip Blank
TOC	Total Organic Carbon
TP##-#	Test Pit location number
USEPA	United States Environmental Protection Agency
VOC	Volatile Organic Compound

1. INTRODUCTION

ERM Consulting & Engineering, Inc. (ERM) prepared a summary of the environmental sampling & analysis completed on behalf of Li-Cycle North America Hub, Inc. (Li-Cycle or Client) at the site located at 50 and 205 McLaughlin Drive in Rochester, New York (Site). Figure 1 depicts the general location of the Site, while Figure 2 identifies the two parcels that comprise the Warehouse parcel and the Hub parcel, respectively.

The Site is currently owned by Ridgeway Property 1, LLC, a wholly-owned subsidiary of LiDestri Food & Beverages (“LiDestri”), who purchased the property from the Eastman Kodak Company (“Kodak”) in 2012 for the purpose of redeveloping a portion of the Site as the LiDestri Eco-Industrial Park. Redevelopment plans for the Eco-Industrial Park did not materialize as expected, and Li-Cycle has issued a Letter of Intent (“LOI”) to lease portions of the land associated with the Site for its Warehouse and Commercial Hub #`1 operations.

Li-Cycle undertook activities to understand the geotechnical and environmental conditions of the Site soils, groundwater, and bedrock conditions. This information was generated to aid in engineering design, facility layout and construction activities.

This report summarizes ERM’s geotechnical drilling program oversight activities and characterization results of Site soils.

2. SCOPE OF WORK

Foundation Design, Inc. (Foundation Design) and their subcontracted drillers completed a geotechnical evaluation of overburden and bedrock at the Site in July and August 2021. An ERM field geologist was onsite to observe the investigation, to monitor health and safety, to collect soil samples for environmental analysis, and to aid in the pre-characterization of soil for potential beneficial reuse on Site. The Geotechnical and Environmental Investigation Work included:

- Mobilization/Demobilization;
- 28 soil borings on the proposed Warehouse parcel;
- 6 test pit soil samples on the proposed Warehouse parcel;
- 45 soil borings on the planned Commercial Hub parcel;
- 22 test pit soil samples on the planned Commercial Hub parcel;
- 22 rock cores;
- Processing of analytical data; and
- Evaluation and reporting.

Figure 3 depicts the locations of soil boring and test pit locations on the Warehouse parcel; while Figure 4 provides the locations of soil borings and test pits on the Hub parcel.

2.1 METHODS

2.1.1 Soil Sampling

An ERM field geologist observed Foundation Designs geotechnical investigation, field- screened soil with a calibrated photoionization detector (PID) for volatile organic compounds (VOCs), and conducted environmental sampling of soils for VOCs, semi-volatile organic compounds (SVOCs), metals, polychlorinated biphenyls (PCBs), pesticides, herbicides, 1,4-dioxane, and per- and poly-fluoroalkyl substances (PFAS). Sampling was conducted following New York State Department of Environmental Conservation (NYSDEC) approved methodology and processed at a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP)-approved laboratory. Sample frequency depended on anticipated planned re-use of site soils/materials (one VOC sample per 2,000 cubic yards of material; one SVOC, metals, pesticides, and PCBs sample per 3,000 cubic yards of material). Samples were collected from soil borings and test pits on each of the Site parcels.

2.1.2 Sample Analysis

Analytical methods for soil sample analyses are as follow:

- PFAS by USEPA Method 537-1.1 (modified);
- VOC by USEPA Method 8260C;
- SVOC by USEPA Method 8270D;
- Pesticides by USEPA Method 8081B;
- PCBs by USEPA Method 8082A;
- Herbicides by USEPA Method 8151A;
- Metals by USEPA Method 6010C; and
- Mercury by USEPA 7471B

Level IV laboratory data deliverables and electronic data deliverable database files were provided by the project laboratory. Third-party validation of analytical data was not performed as part of this scope of work.

2.1.3 PFAS Avoidance Practices

To avoid or minimize contamination of environmental samples with potential PFAS compounds from sampling equipment or other materials, guidelines were followed that involve avoiding the use of or contact with materials that may contain PFAS compounds, including:

- Not wearing new clothing or clothing that has been treated with stain- or water-resistant coatings. All clothing must be washed three to six times before use.
- Not wearing Tyvek® clothing.
- No Post-It-Notes® were used during sampling.
- Personnel did not handle pre-wrapped food or snacks while working at the properties.
- Personnel did not use any material or equipment that contains Teflon® (e.g. Teflon® tubing, sample container cap liners, tape, etc.).
- Personnel did not use any materials or equipment that contains PTFE (i.e., PTFE-coated aluminum foil, Gore-Sorbers™) or any other material containing a fluoropolymer.
- Only used laboratory-supplied sampling containers/caps made of either polyethylene, high density polyethylene (HDPE) or polypropylene for samples to be analyzed for PFAS.
- Field personal performed hand-washing with soap and potable water prior to sampling activities, especially after contact with any materials potentially containing PFAS.
- No use of chemical ice packs (“blue ice”) in sample preservation and transport.
- Samples were preserved on wet ice only; no “blue ice”. Polyethylene bags were used to store ice.
- A clean pair of new, disposable nitrile gloves were donned by field sampling personnel each time a different point or location was sampled; and
- Sample containers were placed into separate re-sealable polyethylene plastic bags immediately after collection and labeling.

2.1.4 Standard Equipment Decontamination

Re-usable sampling equipment and tools were used and cleaned with Alconox® and potable water solution. Sampling equipment was decontaminated between each sampling location.

2.1.5 Quality Control/Quality Assurance Requirements

Quality Control (QC) and Quality Assurance (QA) requirements were fulfilled for one duplicate sample per 20 samples, and one matrix spike, one matrix spike duplicate (MS/MSD) per every 20 samples. Two equipment blanks were collected from split spoons, and one trip blank per shipment containing VOC samples was included.

3. RESULTS

All soil samples were collected and submitted to the laboratory during July-August 2021. Analytical results for the Hub parcel are presented in Tables 1a through 1e and analytical results for the Warehouse parcel are presented in Tables 2a through 2d.

ERM compared the results of this sampling program to the 6 NYCRR Part 375 Soil Cleanup Objectives (SCOs) for Restricted Commercial Use. There were no exceedances of the Restricted Commercial Use Standards in any of the soil samples from both the Warehouse and Hub parcels.

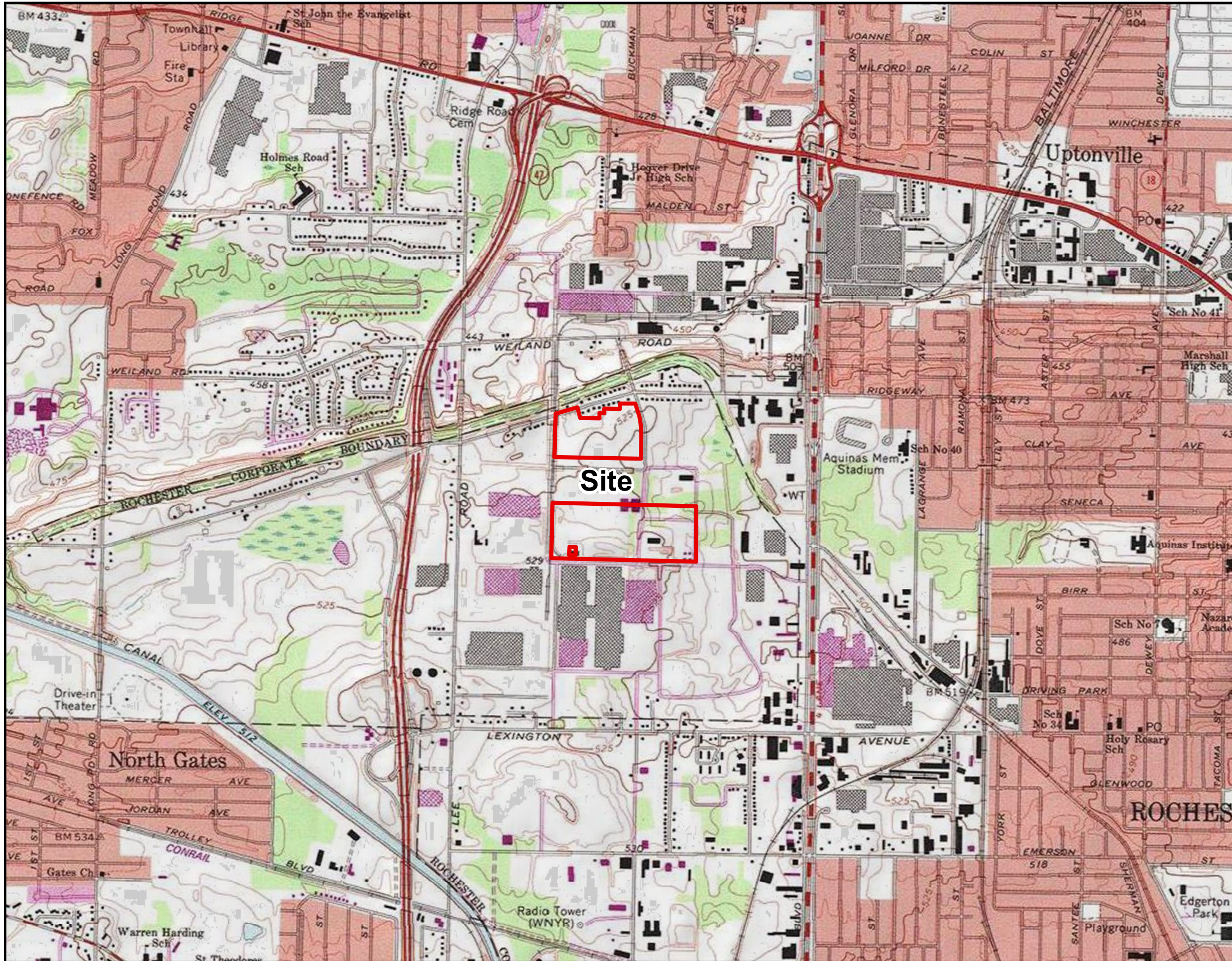
All investigation derived wastes (IDW) were staged on polypropylene (PP) sheeting on the respective parcels until sample results determined if they could be replaced back onsite. All drilling water and decontamination water was containerized, labeled, and staged on each parcel for eventual proper disposal. No grossly contaminated material was found on either parcel.

Two groundwater wells were installed by Foundation Design (one on each parcel); however, the installed wells did not immediately produce water, and were not further developed. Therefore, no groundwater samples or related field parameters were collected or recorded during this sampling campaign.

With the lack of exceedances in soil on both parcels, it is ERM's opinion that Li-Cycle can proceed with petitioning the NYSDEC for approval to use the overburden/soil for beneficial reuse purposes on Site during construction, consistent with the previous approval granted to Ridgeway Properties during the Eco-Industrial Park planned development.

Additionally, based on the results of this sampling program and the prior sampling events, it does not appear that soil vapor intrusion issues are of any concern across either parcel that would dictate the need to plan for SVI mitigation efforts during site redevelopment.

FIGURES



Legend
 Approximate Site Boundary

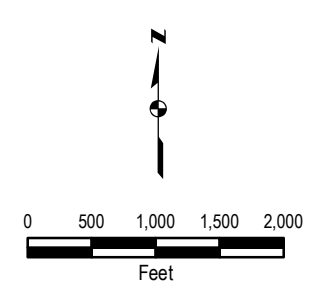


Figure 1: Site Location Map
 Li-Cycle
 LiDestri-Ridgeway Property
 Rochester, New York





Legend
 Approximate Site Boundary

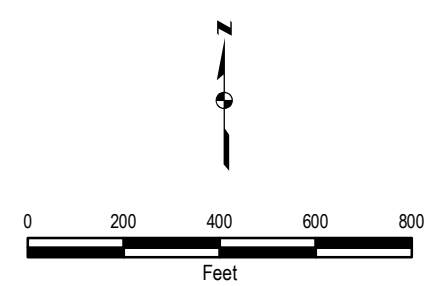
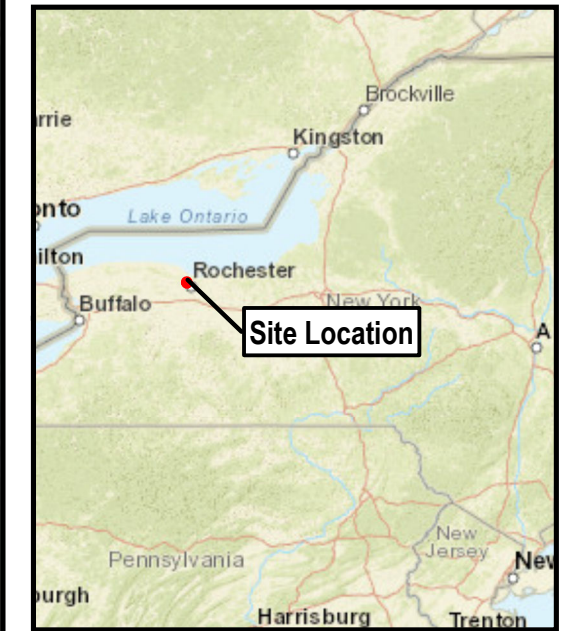


Figure 2: Site Layout Map
 Li-Cycle
 LiDestri-Ridgeway Property
 Rochester, New York





Legend

- Soil Boring Location
- Test Pit Location
- Approximate Site Boundary

NOTES:

- Survey data was not used to plot soil boring and test pit locations.
- Locations are approximate.

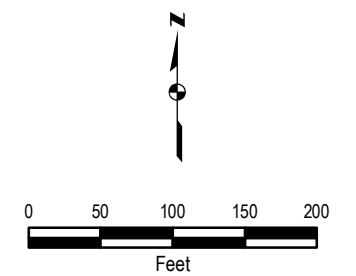


Figure 3: Warehouse Property - Soil Borings and Test Pit Locations
 Li-Cycle
 LiDestri-Ridgeway Property
 Rochester, New York





- Legend**
- Soil Boring Location
 - Test Pit Location
 - Approximate Site Boundary

NOTES:
 - Survey data was not used to plot soil boring and test pit locations.
 - Locations are approximate.

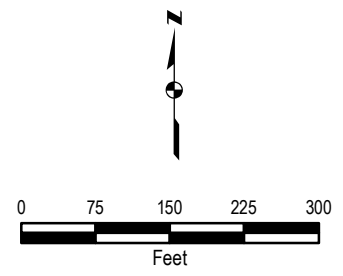


Figure 4: Hub Property - Soil Borings and Test Pit Locations
 Li-Cycle
 LiDestri-Ridgeway Property
 Rochester, New York



TABLES

Table 1a
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date Depth Unit	B-12-133	B-12-133	B-12-138	B-12-138	B-21-102	B-21-102	B-21-103	B-21-103	B-21-104	B-21-105	B-21-110	B-21-110	B-21-112	B-21-112	B-21-113	B-21-113	
			8/5/2021	8/5/2021	8/5/2021	8/5/2021	8/4/2021	8/4/2021	8/3/2021	8/3/2021	8/3/2021	7/22/2021	7/22/2021	8/3/2021	8/3/2021	8/4/2021	8/4/2021	8/3/2021	8/3/2021
			6 - 7 ft	13 - 14 ft	1 - 2 ft	5 - 6 ft	0 - 1 ft	5 - 6 ft	4 - 5 ft	12 - 13 ft	2 - 3 ft	0 - 1 ft	6 - 7 ft	11 - 12 ft	3 - 4 ft	6 - 7 ft	4 - 5 ft	6 - 7 ft	
1,2,4,5-Tetrachlorobenzene	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
1,4-Dioxane	130,000	µg/kg	< 120	< 140	< 110	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 120	< 110	< 120	< 110	< 120	
2,2'-Oxybis(1-chloropropane)	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,3,4,6-Tetrachlorophenol	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,4,5-Trichlorophenol	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,4,6-Trichlorophenol	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,4-Dichlorophenol	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,4-Dimethylphenol	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,4-Dinitrophenol	NS	µg/kg	< 2,000	< 2,300	< 1,900	< 1,900	< 1,900	< 2,000	< 2,000	< 2,100	< 1,900	< 1,900	< 2,000	< 2,000	< 1,800	< 1,900	< 1,900	< 2,000	
2,4-Dinitrotoluene	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2,6-Dinitrotoluene	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2-Chloronaphthalene	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2-Chlorophenol	NS	µg/kg	< 390	< 450	< 370	< 390	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
2-Methylnaphthalene	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	240	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
2-Nitroaniline	NS	µg/kg	< 390	< 450	< 370	< 390	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
2-Nitrophenol	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
3,3'-Dichlorobenzidine	NS	µg/kg	< 390 TH	< 450 TH	< 370 TH	< 390 TH	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
3-Nitroaniline	NS	µg/kg	< 390	< 450	< 370	< 390	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
4-Bromophenyl phenyl ether	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
4-Chloro-3-methylphenol	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
4-Chlorophenyl phenyl ether	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
4-Nitrophenol	NS	µg/kg	< 390 TH	< 450 TH	< 370 TH	< 390 TH	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
Acenaphthene	500,000	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Acenaphthylene	500,000	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Acetophenone	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Anthracene	500,000	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Atrazine	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzaldehyde	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzo(a)anthracene	5,600	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	26 J	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzo(a)pyrene	1,000	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzo(b)fluoranthene	5,600	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	32 J	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzo(g,h)perylene	500,000	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	29 J	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzo(k)fluoranthene	56,000	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Benzyl butyl phthalate	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Biphenyl	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Bis(2-chloroethoxy)methane	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Bis(2-ethylhexyl)phthalate	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Caprolactam	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Carbazole	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Chrysene	56,000	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Dibenz(a,h)anthracene	560	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Dibenzofuran	350,000	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	54 J	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Dibutyl phthalate	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	52 JB	70 JB	< 200	< 200	< 180	< 200	< 190	< 210	
Dichloroethyl ether	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Diethyl phthalate	NS	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Dimethyl phthalate	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Dinitro-o-cresol	NS	µg/kg	< 390	< 450	< 370	< 390	< 380	< 390	< 390	< 410	< 380	< 380	< 390	< 380	< 350	< 380	< 370	< 400	
Di-n-octyl phthalate	NS	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Fluoranthene	500,000	µg/kg	< 200 TH	< 230 TH	< 190 TH	< 200 TH	37 J	< 200	< 200	< 210	52 J	< 200	< 200	< 200	< 180	< 200	< 190	< 210	
Fluorene	500,000	µg/kg	< 200	< 230	< 190	< 200	< 200	< 200	< 200	< 210	< 200	< 200	< 200	< 200	< 180	< 200	< 190		

Table 1a
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date	B-21-131	B-21-134	B-21-135	B-21-136	B-21-141	B-21-141	B-21-142	B-21-142	B-21-143	B-21-144	B-21-144	B-21-145	B-21-145	
			7/27/2021	7/28/2021	7/28/2021	7/28/2021	8/6/2021	8/6/2021	8/6/2021	8/6/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021
			Depth	2 - 3 ft	6 - 8 ft	6 - 7 ft	4 - 5 ft	1 - 2 ft	15 - 16 ft	4 - 5 ft	13 - 14 ft	8 - 9 ft	19 - 20 ft	1 - 2 ft	16 - 17 ft	2 - 3 ft
Unit																
1,2,4,5-Tetrachlorobenzene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
1,4-Dioxane	130,000	µg/kg	< 120	< 110	< 110	< 110	< 100	< 120	< 590	< 120	< 120	< 120	< 110	< 110	< 580	< 570
2,2'-Oxybis(1-chloropropane)	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,3,4,6-Tetrachlorophenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,4,5-Trichlorophenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,4,6-Trichlorophenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,4-Dichlorophenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,4-Dimethylphenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,4-Dinitrophenol	NS	µg/kg	< 1,900	< 1,800	< 1,900	< 1,900	< 1,700	< 1,900	< 9,800	< 1,900	< 1,900	< 1,900	< 1,900	< 1,900	< 9,600	< 9,400
2,4-Dinitrotoluene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2,6-Dinitrotoluene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2-Chloronaphthalene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
2-Chlorophenol	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
2-Methylnaphthalene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	250 J	< 200	< 200	< 200	< 190	< 190	< 990	3,000
2-Nitroaniline	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
2-Nitrophenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
3,3'-Dichlorobenzidine	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
3-Nitroaniline	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
4-Bromophenyl phenyl ether	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200 TH	< 200 TH	< 190 TH	< 190 TH	< 990 TH	< 960 TH
4-Chloro-3-methylphenol	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
4-Chlorophenyl phenyl ether	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
4-Nitrophenol	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
Acenaphthene	500,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Acenaphthylene	500,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Acetophenone	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Anthracene	500,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Atrazine	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzaldehyde	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200 T	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzo(a)anthracene	5,600	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzo(a)pyrene	1,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzo(b)fluoranthene	5,600	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzo(g,h,i)perylene	500,000	µg/kg	< 200	< 190	24 J	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzo(k)fluoranthene	56,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Benzyl butyl phthalate	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Biphenyl	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	250 J
Bis(2-chloroethoxy)methane	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Bis(2-ethylhexyl)phthalate	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Caprolactam	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Carbazole	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Chrysene	56,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Dibenzo(a,h)anthracene	560	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Dibenzofuran	350,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	700 J
Dibutyl phthalate	NS	µg/kg	85 JB	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	33 J	< 190	< 190	< 990	< 960
Dichloroethyl ether	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Diethyl phthalate	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Dimethyl phthalate	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Dinitro-o-cresol	NS	µg/kg	< 380	< 360	< 370	< 380	< 340	< 390	< 2,000	< 390	< 390	< 380	< 380	< 370	< 1,900	< 1,900
Di-n-octyl phthalate	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Fluoranthene	500,000	µg/kg	< 200	< 190	46 J	28 J	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Fluorene	500,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Hexachlorobenzene	6,000	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200 TH	< 200 TH	< 190 TH	< 190 TH	< 990 TH	< 960 TH
Hexachlorobutadiene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Hexachlorocyclopentadiene	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Hexachloroethane	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Indeno(1,2,3-cd)pyrene	5,600	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	< 190	< 190	< 990	< 960
Isophorone	NS	µg/kg	< 200	< 190	< 190	< 190	< 180	< 200	< 1,000	< 200	< 200	< 200	&			

Table 1b
Soil Boring Summary Table - Hub Property PFAS
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-108	B-21-110	B-21-113	B-21-129	B-21-134	
		Sample Date	7/27/2021	8/3/2021	8/3/2021	8/2/2021	7/28/2021	
		Depth Unit	2 - 2.6 ft	0 - 1 ft	0 - 1 ft	0 - 1 ft	5 - 6 ft	
Perfluorobutanoic acid (PFBA)	NS	µg/kg	0.25 J	0.44 J	0.23 J	0.39 J	0.23 J	
Perfluoropentanoic acid (PFPeA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	< 0.27	
Perfluorohexanoic acid (PFHxA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.030 J	
Perfluoroheptanoic acid (PFHpA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	< 0.27	
Perfluorooctanoic acid (PFOA)	NS	µg/kg	0.028 J	0.032 J	< 0.22	< 0.22	0.11 J	
Perfluorononanoic acid (PFNA)	NS	µg/kg	0.038 J	0.027 J	< 0.22	< 0.22	0.035 J	
Perfluorodecanoic acid (PFDA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.033 J	
Perfluoroundecanoic acid (PFUnDA)	NS	µg/kg	0.049 J	< 0.24	< 0.22	< 0.22	0.038 J	
Perfluorododecanoic acid (PFDoDA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.057 J	
Perfluorotridecanoic acid (PFTriDA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.024 J	
Perfluorotetradecanoic acid (PFTeDA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.033 J	
Perfluorobutane sulfonic acid (PFBS)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.055 J	
Perfluorohexane sulfonic acid (PFHxS)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.051 J	
Perfluoroheptane sulfonic acid (PFHpS)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.022 J	
Perfluorooctane sulfonic acid (PFOS)	NS	µg/kg	0.77 TL	0.029 JI	0.041 JI	0.024 JI	5.3	
Perfluorooctane sulfonamide (FOSA)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	< 0.27	
Perfluorodecane sulfonic acid (PFDS)	NS	µg/kg	< 0.22	< 0.24	< 0.22	< 0.22	0.48	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS	µg/kg	< 2.2	< 2.4	< 2.2	< 2.2	< 2.7	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS	µg/kg	< 2.2	< 2.4	< 2.2	< 2.2	< 2.7	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtPFOSAA)	NS	µg/kg	< 2.2	< 2.4	< 2.2	< 2.2	< 2.7	
N-Methyl perfluorooctanesulfonamidoacetic acid (NMePFOSAA)	NS	µg/kg	< 2.2	< 2.4	< 2.2	< 2.2	< 2.7	
TOTAL PFAS	NS	µg/kg	1.135	0.528	0.271	0.414	6.498	
Total Organic Carbon	Organic Carbon, Total	NS	mg/kg	33,000	31,100 ^	41,400 ^	58,500 ^	78,800

Notes:

- < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
- I = Value is EMPC (estimated maximum possible concentration)
- ^ = Instrument related QC is outside acceptance limits (TABUF)
- NS = No Standard
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram
- ft = feet

Table 1c
Test Pit Summary Table - Hub SVOCs, Metals, PCBs, Pesticides, and Herbicides
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial	Location ID	TP-21-102	TP-21-107	TP-21-109	TP-21-110	TP-21-113	TP-21-127	TPB-21-101	TPB-21-137
		Sample Date	7/22/2021	7/23/2021	7/23/2021	7/22/2021	7/22/2021	7/23/2021	7/22/2021	7/23/2021
		Unit								
1,2,4,5-Tetrachlorobenzene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
1,4-Dioxane	130,000	µg/kg	< 130	< 120	< 110	< 110	< 600	< 110	< 120	< 110
2,2'-Oxybis(1-chloropropane)	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,3,4,6-Tetrachlorophenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,4,5-Trichlorophenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,4,6-Trichlorophenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,4-Dichlorophenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,4-Dimethylphenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,4-Dinitrophenol	NS	µg/kg	< 2,100	< 2,000	< 1,800	< 1,900	< 9,900	< 1,800	< 1,900	< 1,900
2,4-Dinitrotoluene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2,6-Dinitrotoluene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2-Chloronaphthalene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2-Chlorophenol	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
2-Methylnaphthalene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
2-Nitroaniline	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
2-Nitrophenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
3,3'-Dichlorobenzidine	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
3-Nitroaniline	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
4-Bromophenyl phenyl ether	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
4-Chloro-3-methylphenol	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
4-Chlorophenyl phenyl ether	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
4-Nitrophenol	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
Acenaphthene	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Acenaphthylene	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Acetophenone	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Anthracene	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Atrazine	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Benzaldehyde	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Benzo(a)anthracene	5,600	µg/kg	< 220	< 200	< 190	< 200	790 J	< 190	< 200	< 190
Benzo(a)pyrene	1,000	µg/kg	< 220	< 200	< 190	< 200	690 J	< 190	< 200	< 190
Benzo(b)fluoranthene	5,600	µg/kg	< 220	< 200	< 190	< 200	950 J	< 190	< 200	31 J
Benzo(g,h,i)perylene	500,000	µg/kg	< 220	< 200	< 190	< 200	560 J	< 190	< 200	28 J
Benzo(k)fluoranthene	56,000	µg/kg	< 220	< 200	< 190	< 200	410 J	< 190	< 200	< 190
Benzyl butyl phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Biphenyl	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Bis(2-chloroethoxy)methane	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Bis(2-ethylhexyl)phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Caprolactam	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Carbazole	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Chrysene	56,000	µg/kg	< 220	< 200	< 190	< 200	790 J	< 190	< 200	< 190
Dibenzo(a,h)anthracene	560	µg/kg	< 220	< 200	< 190	< 200	180 J	< 190	< 200	< 190
Dibenzofuran	350,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Dibutyl phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Dichloroethyl ether	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Diethyl phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Dimethyl phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Dinitro-o-cresol	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
Di-n-octyl phthalate	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Fluoranthene	500,000	µg/kg	< 220	< 200	< 190	< 200	1,500	< 190	< 200	24 J
Fluorene	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Hexachlorobenzene	6,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Hexachlorobutadiene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Hexachlorocyclopentadiene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Hexachloroethane	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Indeno(1,2,3-cd)pyrene	5,600	µg/kg	< 220	< 200	< 190	< 200	480 J	< 190	< 200	< 190
Isophorone	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Naphthalene	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
Nitrobenzene	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
n-Nitrosodi-n-propylamine	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
n-Nitrosodiphenylamine	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
o-Cresol	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
p-Chloroaniline	NS	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
p-Cresol	500,000	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
Pentachlorophenol	6,700	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
Phenanthrene	500,000	µg/kg	< 220	< 200	< 190	< 200	630 J	< 190	< 200	< 190
Phenol	500,000	µg/kg	< 220	< 200	< 190	< 200	< 1,000	< 190	< 200	< 190
p-Nitroaniline	NS	µg/kg	< 420	< 390	< 370	< 380	< 2,000	< 360	< 380	< 380
Pyrene	500,000	µg/kg	< 220	< 200	< 190	< 200	1,200	< 190	< 200	23 J
TICs (Calculated), Total	NS	µg/kg	2,260 TJN	4,750 TJN	2,700 TJ	2,580 TJ	0	4,860 TJN	5,270 TJN	4,890 TJN
Aluminum	NS	mg/kg	10,300 ^	8,250 ^	7,510 ^	9,620 ^	9,740 ^	7,920 ^	8,630 ^	10,200
Antimony	NS	mg/kg	< 18.6	< 17.8	< 17.2	< 17.4	< 18.9	< 16.2	< 18.1	< 18.2
Arsenic	16	mg/kg	4.3	5.4	4.3	4.6	4.6	4.3	5.0	4.0
Barium	400	mg/kg	26.6	13.9	24.6	21.0	77.2	13.0	19.6	29.9
Beryllium	590	mg/kg	0.49	0.45	0.38	0.54	0.49	0.44	0.47	0.47
Cadmium	9.3	mg/kg	0.057 J	< 0.24	< 0.23	< 0.23	0.27	< 0.22	< 0.24	0.059 J
Calcium	NS	mg/kg	151,000	150,000	173,000	148,000	79,600 B^	155,000	158,000	106,000 B^
Chromium	1,500	mg/kg	10.1	8.8	7.7	9.9	12.8	8.2	8.9	10.6
Cobalt	NS	mg/kg	4.6	4.8	4.8	7.2	5.6	3.5	6.5	5.8
Copper	270	mg/kg	8.8	7.6	6.1	10.7	15.0	6.3	8.5	7.0
Iron	NS	mg/kg	11,900 ^	11,000 ^	9,890 ^	11,500 ^	13,500 ^	9,210 ^	10,900 ^	11,700 ^
Lead	1,000	mg/kg	13.7	12.8	14.2	17.1	27.1	12.9	13.5	12.3
Magnesium	NS	mg/kg	24,800	35,400	24,200	19,700	18,400	29,000	22,300	24,200
Manganese	10,000	mg/kg	263 ^	252 ^	246 ^	245 ^	334 ^	217 ^	249 ^	274
Mercury	2.8	mg/kg	0.0054 J	< 0.020	< 0.021	< 0.022	0.031	< 0.023	< 0.025	0.0061 J
Nickel	310	mg/kg	11.0	10.8	10.1	13.8	13.8	9.7	13.1	14.2
Potassium	NS	mg/kg	3,950	4,360	3,810	4,570	2,840	4,200	4,480	4,210
Selenium	1,500	mg/kg	< 5.0	< 4.8	< 4.6	< 4.6	< 5.0	< 4.3	< 4.8	< 4.9
Silver	1,500	mg/kg	< 0.75	< 0.71	< 0.69	< 0.70	9.2	< 0.65	< 0.72	< 0.73
Sodium	NS	mg/kg	156 J	151 J	203	158 J	250	158	174	163 J
Thallium	NS	mg/kg	< 7.5	< 7.1	< 6.9	< 7.0	< 7.6	< 6.5	< 7.2	< 7.3
Vanadium	NS	mg/kg	13.7	10.3	9.2	11.6	16.5	9.6	10.3	14.2
Zinc	10,000	mg/kg	15.9	8.5	6.9	10.2	55.3	8.0	9.0	41.5

Table 1c
Test Pit Summary Table - Hub SVOCs, Metals, PCBs, Pesticides, and Herbicides
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial	Location ID	TP-21-102	TP-21-107	TP-21-109	TP-21-110	TP-21-113	TP-21-127	TPB-21-101	TPB-21-137	
		Sample Date	7/22/2021	7/23/2021	7/23/2021	7/22/2021	7/22/2021	7/23/2021	7/22/2021	7/23/2021	
		Unit									
PCBs	Aroclor 1016	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1221	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1232	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1242	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1248	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1254	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
	Aroclor 1260	1	mg/kg	< 0.24	< 0.21	< 0.27	< 0.25	< 0.25	< 0.20	< 0.25	< 0.26
Pesticides	4,4'-DDD	92,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	4,4'-DDE	62,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	4,4'-DDT	47,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	9.7 J	< 1.8	< 1.9	< 9.4
	Aldrin	680	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9 T	< 9.4
	alpha-BHC/HCH	3,400	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	beta-BHC/HCH	3,000	µg/kg	< 2.1	< 2.0	< 1.9	0.40 J	< 40	< 1.8	< 1.9	< 9.4
	Chlorinated camphene/ Toxaphene	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 400	< 1.8	< 1.9	< 9.4
	cis-Chlordane	24,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	cis-Heptachlor epoxide	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	delta-BHC/HCH	500,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9 T	< 9.4
	Dieldrin	1,400	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endosulfan I (Alpha)	200,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endosulfan II (Beta)	200,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endosulfan sulfate	200,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endrin	89,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endrin aldehyde	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4
	Endrin ketone	NS	µg/kg	0.75 JB	0.55 JB	< 1.9	0.63 JB	< 40	< 1.8	0.65 JB	< 9.4
gamma-BHC/HCH (Lindane)	9,200	µg/kg	0.52 JB	0.48 JB	0.55 JB	0.46 JB	11 JB	< 1.8	0.57 JBT	2.3 JB	
Heptachlor	15,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4	
Methoxychlor	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4	
trans-Chlordane	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 40	< 1.8	< 1.9	< 9.4	
Herbicides	2,4,5-TP (Silvex)	500,000	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 20	< 1.8	< 1.9	< 1.9
	2,4-Dichlorophenoxyacetic acid	NS	µg/kg	< 2.1	< 2.0	< 1.9	< 1.9	< 20	< 1.8	< 1.9	< 1.9

Notes:

- < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- B = Possible Laboratory Contamination of the Sample
- T = Indicates that a quality control parameter has exceeded laboratory limits
- TJ = Result is TIC and an estimated value or quality control parameter has exceeded lab limits; result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
- N = Presumptive evidence of material
- ^ = Instrument related QC is outside acceptance limits (TABUF)
- NS = No Standard
- µg/kg = micrograms per kilogram
- mg/kg = milligrams per kilogram

Table 1d
Test Pit Summary Table - Hub VOCs
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	TP-21-101	TP-21-102	TP-21-103	TP-21-106	TP-21-111	TP-21-112	TP-21-139	TPB-21-140
		Sample Date	7/22/2021	7/22/2021	7/23/2021	7/23/2021	7/22/2021	7/22/2021	7/23/2021	7/23/2021
		Unit								
1,1,1-Trichloroethane	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,1,2,2-Tetrachloroethane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,1,2-Trichloroethane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,1-Dichloroethane	240,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,1-Dichloroethene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,2,4-Trichlorobenzene	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,2-Dibromo-3-chloropropane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,2-Dichlorobenzene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,2-Dichloroethane	30,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,2-Dichloropropane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,3-Dichlorobenzene	280,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
1,4-Dichlorobenzene	130,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
2-Butanone	500,000	µg/kg	< 22	< 26	< 24	< 16	< 22	< 22	< 22	< 25
2-Hexanone	NS	µg/kg	< 22	< 26	< 24	< 16	< 22	< 22	< 22	< 25
4-Methyl-2-pentanone	NS	µg/kg	< 22	< 26	< 24	< 16	< 22	< 22	< 22	< 25
Acetone	500,000	µg/kg	< 22	< 26	< 24	< 16	6.3 J	23	< 22	< 25
Benzene	44,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Bromodichloromethane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Bromoform	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Bromomethane	NS	µg/kg	< 4.4 TH	< 5.2 TH	< 4.8 TH	< 3.2 TH	< 4.4 TH	< 4.3 TH	< 4.5 TH	< 5.1 TH
Carbon disulfide	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Carbon tetrachloride	22,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Chlorobenzene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Chloroethane	NS	µg/kg	< 4.4 TH	< 5.2 TH	< 4.8 TH	< 3.2 TH	< 4.4 TH	< 4.3 TH	< 4.5 TH	< 5.1 TH
Chloroform	350,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Chloromethane	NS	µg/kg	< 4.4 TH	< 5.2 TH	< 4.8 TH	< 3.2 TH	< 4.4 TH	< 4.3 TH	< 4.5 TH	< 5.1 TH
cis-1,2-Dichloroethene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
cis-1,3-Dichloropropene	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Cyclohexane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Dibromochloromethane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Ethylbenzene	390,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Ethylene dibromide	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Isopropylbenzene (Cumene)	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Methyl acetate	NS	µg/kg	< 22	< 26	< 24	< 16	< 22	< 22	< 22	< 25
Methyl tert-butyl ether	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Methylcyclohexane	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Methylene chloride	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Styrene	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Tetrachloroethene	150,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Toluene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
trans-1,2-Dichloroethene	500,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
trans-1,3-Dichloropropene	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Trichloroethene	200,000	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Trichlorofluoromethane (Freon 11)	NS	µg/kg	< 4.4	< 5.2	< 4.8	< 3.2	< 4.4	< 4.3	< 4.5	< 5.1
Vinyl chloride	13,000	µg/kg	< 4.4 TH	< 5.2 TH	< 4.8 TH	< 3.2 TH	< 4.4 TH	< 4.3 TH	< 4.5 TH	< 5.1 TH
Xylene, Total	500,000	µg/kg	< 8.7	< 10	< 9.5	< 6.5	< 8.8	< 8.6	< 9.0	< 10
TICs (Calculated), Total	NS	µg/kg	0	0	0	0	0	0	0	0

Notes:
 < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
 J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
 TH = QC Recovery is outside acceptable limits biased high
 NS = No Standard
 µg/kg = micrograms per kilogram
 mg/kg = milligrams per kilogram

Table 1e
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date	B-12-133	B-12-133	B-12-133	B-12-138	B-12-138	B-12-138	B-12-102	B-12-102	B-12-102	B-12-103	B-12-103	B-12-103	B-12-104	B-12-105	B-12-108	B-12-108	B-12-110	B-12-110	B-12-110	B-12-110	
			8/5/2021	8/5/2021	8/5/2021	8/5/2021	8/5/2021	8/4/2021	8/4/2021	8/4/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	7/22/2021	7/22/2021	7/22/2021	7/22/2021	8/3/2021	8/3/2021	8/3/2021	7/26/2021
			Depth	4- 5 ft	8- 9 ft	10- 11 ft	0- 1 ft	2- 3 ft	6- 7 ft	1- 2 ft	2- 3 ft	9- 10 ft	2- 3 ft	5- 6 ft	8- 9 ft	0- 1 ft	5- 6 ft	9- 10 ft	0- 1 ft	1- 2 ft	0- 1 ft	4- 5 ft	10- 11 ft
1,1,1-Trichloroethane	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,1,2,2-Tetrachloroethane	NS	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,1,2-Trichloroethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,1-Dichloroethane	240,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,1-Dichloroethane	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,2,4-Trichlorobenzene	NS	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,2-Dibromo-3-chloropropane	NS	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,2-Dichlorobenzene	500,000	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,2-Dichloroethane	30,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,2-Dichloropropane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,3-Dichlorobenzene	280,000	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
1,4-Dichlorobenzene	130,000	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
2-Butanone	500,000	µg/kg	<24	<21	38	<24	2.0 J	4.3 J	<22	<23	<23	<22	2.7 J	<20	<27	<27	<27	<21	<23	<25	250	<23	<22
2-Hexanone	NS	µg/kg	<24	<21	<27	<24	<23	<20	<22	<23	<23	<22	<19	<20	<27	<27	<27	<21	<23	<25	<21	<23	<22
4-Methyl-2-pentanone	NS	µg/kg	<24	<21	<27	<24	<23	<20	<22	<23	<23	<22	<19	<20	<27	<27	<27	<21	<23	<25	<21	<23	<22
Acetone	500,000	µg/kg	<24	37	170	51	45	180	<22	39	<23	94	28	26	5.0 J	5.9 J	15 J	<21	<23	43	93	29	<22
Benzene	44,000	µg/kg	<4.9	0.24 J	<5.5	<4.8	<4.7	0.45 J	<4.4	<4.5	<4.6	<4.5	0.39 J	0.38 J	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	0.30 J	<4.4
Bromodichloromethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Bromoform	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Bromomethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Carbon disulfide	NS	µg/kg	3.4 J	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Carbon tetrachloride	22,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Chlorobenzene	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Chloroethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4 TH	<4.5 TH	<4.6 TH	<4.5 TH	<3.9 TH	<4.0 TH	<5.3 TH	<5.5 TH	<5.4 TH	<4.2 TH	<4.5 TH	<5.0 TH	<4.3 TH	<4.5 TH	<4.4 TH
Chloroform	350,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Chloromethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4 TH	<4.5 TH	<4.6 TH	<4.5 TH	<3.9 TH	<4.0 TH	<5.3 TH	<5.5 TH	<5.4 TH	<4.2 TH	<4.5 TH	<5.0 TH	<4.3 TH	<4.5 TH	<4.4 TH
cis-1,2-Dichloroethane	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
cis-1,3-Dichloropropene	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Cyclohexane	NS	µg/kg	<4.9	<4.1	0.79 J	<4.8	<4.7	0.76 J	<4.4	<4.5	<4.6	<4.5	<3.9	0.61 J	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Dibromochloromethane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Ethylbenzene	390,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Ethylene dibromide	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Isopropylbenzene (Cumene)	NS	µg/kg	<4.9	<4.1	<5.5 TL	<4.8	<4.7	<4.1 TL	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Methyl acetate	NS	µg/kg	<24	<21	<27	<24	<23	3.3 J	<22	<23	<23	<22	<19	<20	<27	<27	<27	<21	<23	<25	<21	<23	<22
Methyl tert-butyl ether	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Methylcyclohexane	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	1.4 J	1.6 J	<4.4	<4.5	<4.6	<4.5	1.5 J	0.76 J	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Methylene chloride	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	2.2 J	<4.5	<4.6	2.0 J	2.4 J	2.1 J	<5.3	<5.5	<5.4	<4.2	<4.5	2.5 J	<4.3	2.8 J	<4.4
Styrene	NS	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Tetrachloroethane	150,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5	<4.6	<4.5	<3.9	<4.0	<5.3	<5.5	<5.4	<4.2	<4.5	<5.0	<4.3	<4.5	<4.4
Toluene	500,000	µg/kg	1.1 J	0.47 J	18	<4.8	1.1 J	1.5 J	<4.4	<4.5	<4.6	<4.5	0.80 J	0.72 J	<5.3	0.84 J	<5.4	<4.2	<4.5	<5.0	<4.3	0.61 J	<4.4
trans-1,2-Dichloroethane	500,000	µg/kg	<4.9	<4.1	<5.5	<4.8	<4.7	<4.1	<4.4	<4.5</													

Table 1e
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date Depth Unit	B-21-112	B-21-112	B-21-112	B-21-113	B-21-113	B-21-113	B-21-116	B-21-116	B-21-116	B-21-117	B-21-118	B-21-120	B-21-120	B-21-120	B-21-121	B-21-121	B-21-122	B-21-123	
			8/4/2021	8/4/2021	8/4/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	8/3/2021	7/22/2021	7/26/2021	8/3/2021	8/3/2021	8/3/2021	7/28/2021	7/28/2021	7/27/2021	8/2/2021
			0 - 1 ft	5 - 6 ft	8 - 9 ft	1 - 2 ft	8 - 9 ft	10 - 11 ft	1 - 2 ft	3 - 4 ft	8 - 9 ft	3 - 4 ft	1 - 1.25 ft	0 - 1 ft	2 - 3 ft	6 - 7 ft	0 - 1 ft	6 - 6.1 ft	0 - 1 ft	2 - 3 ft	
1,1,1-Trichloroethane	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,1,2,2-Tetrachloroethane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,1,2-Trichloroethane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,1-Dichloroethane	240,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,1-Dichloroethane	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,2,4-Trichlorobenzene	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,2-Dibromo-3-chloropropane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,2-Dichlorobenzene	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,2-Dichloroethane	30,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,2-Dichloropropane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,3-Dichlorobenzene	280,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
1,4-Dichlorobenzene	130,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
2-Butanone	500,000	µg/kg	< 21	6.0 J	< 28	< 21	< 21	< 20	< 21	5.5 J	< 20	< 23	< 20 HT	< 23	4.7 J	< 21	< 24	< 19	< 24	< 21	
2-Hexanone	NS	µg/kg	< 21	< 26	< 28	< 21	< 21	< 20	< 21	< 24	< 20	< 23	< 20 HT	< 23	< 31	< 21	< 24	2.6 J	< 24	< 21	
4-Methyl-2-pentanone	NS	µg/kg	< 21	< 26	< 28	< 21	< 21	< 20	< 21	< 24	< 20	< 23	< 20 HT	< 23	< 31	< 21	< 24	< 19	< 24	< 21	
Acetone	500,000	µg/kg	< 21	36	23 J	4.3 J	54	12 J	57	100	16 J	< 23	4.1 JHT	86	44	52	15 J	6.9 J	< 24	41	
Benzene	44,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	0.31 J	0.19 J	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	0.35 J	< 4.7	< 4.3	
Bromodichloromethane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Bromoform	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Bromomethane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Carbon disulfide	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Carbon tetrachloride	22,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Chlorobenzene	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Chloroethane	NS	µg/kg	< 4.3 TH	< 5.1	< 5.7	< 4.2 TH	< 4.3 TH	< 4.0 TH	< 4.1	< 4.7 TH	< 4.1 TH	< 4.6 TH	< 4.1 HTTH	< 4.7 TH	< 6.2 TH	< 4.1 TH	< 4.7 TH	< 3.7 TH	< 4.7 TH	< 4.3	
Chloroform	350,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Chloromethane	NS	µg/kg	< 4.3 TH	< 5.1	< 5.7	< 4.2 TH	< 4.3 TH	< 4.0 TH	< 4.1	< 4.7 TH	< 4.1 TH	< 4.6 TH	< 4.1 HTTH	< 4.7 TH	< 6.2 TH	< 4.1 TH	< 4.7 TH	< 3.7 TH	< 4.7 TH	< 4.3	
cis-1,2-Dichloroethane	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
cis-1,3-Dichloropropene	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Cyclohexane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Dibromochloromethane	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Ethylbenzene	390,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Ethylene dibromide	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Isopropylbenzene (Cumene)	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Methyl acetate	NS	µg/kg	< 21	< 26	< 28	< 21	< 21	< 20	< 21	< 24	< 20	< 23	< 20 HT	< 23	< 31	< 21	< 24	< 19	< 24	< 21	
Methyl tert-butyl ether	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Methylcyclohexane	NS	µg/kg	< 4.3	1.2 J	0.87 J	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Methylene chloride	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	2.8 J	< 4.1	< 4.6	< 4.1 HT	< 4.7	3.7 J	2.1 J	< 4.7	< 3.7	< 4.7	< 4.3	
Styrene	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Tetrachloroethane	150,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Toluene	500,000	µg/kg	< 4.3	0.81 J	0.75 J	< 4.2	0.85 J	0.38 J	0.48 J	< 4.7	0.33 J	< 4.6	0.34 JHT	< 4.7	< 6.2	0.34 J	< 4.7	0.88 J	0.40 J	< 4.3	
trans-1,2-Dichloroethane	500,000	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
trans-1,3-Dichloropropene	NS	µg/kg	< 4.3	< 5.1	< 5.7	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	< 4.7	< 4.3	
Trichloroethane	200,000	µg/kg	< 4.3	5.0 J	4.2 J	< 4.2	< 4.3	< 4.0	< 4.1	< 4.7	< 4.1	< 4.6	< 4.1 HT	< 4.7	< 6.2	< 4.1	< 4.7	< 3.7	1.8 J	< 4.3	
Trichlorofluoromethane (Freon 11)	NS	µg/kg	< 4.3																		

Table 1e
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date Depth	B-21-123	B-21-123	B-21-124	B-21-125	B-21-126	B-21-128	B-21-128	B-21-128	B-21-129	B-21-129	B-21-129	B-21-130	B-21-131	B-21-131	B-21-134	B-21-134	B-21-135	B-21-135	B-21-136	B-21-136	B-21-141		
			8/2/2021	8/2/2021	7/26/2021	7/26/2021	7/27/2021	8/2/2021	8/2/2021	8/2/2021	8/2/2021	8/2/2021	8/2/2021	8/2/2021	7/26/2021	7/27/2021	7/27/2021	7/28/2021	7/28/2021	7/28/2021	7/28/2021	7/28/2021	7/28/2021	7/28/2021	8/6/2021
			7- 8 ft	8- 9 ft	6- 7 ft	4- 5 ft	0- 0.25 ft	0- 1 ft	2- 3 ft	6- 7 ft	2- 3 ft	4- 5 ft	8- 9 ft	1- 2 ft	1- 2 ft	4- 4.15 ft	6- 8 ft	10- 12 ft	5- 6 ft	9- 10 ft	0- 1 ft	8- 8.1 ft	2- 3 ft		
1,1,1-Trichloroethane	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,1,2,2-Tetrachloroethane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,1,2-Trichloroethane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,1-Dichloroethane	240,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,1-Dichloroethane	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,2,4-Trichlorobenzene	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,2-Dibromo-3-chloropropane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,2-Dichlorobenzene	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,2-Dichloroethane	30,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,2-Dichloropropane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,3-Dichlorobenzene	280,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
1,4-Dichlorobenzene	130,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
2-Butanone	500,000	µg/kg	2.3 J	<20	4.7 J	<18	<25	<25 HT	<22 HT	<25	<23	<23	4.5 J	<25	<22	<17	<24	<22	<24	<23	<18	<19	<31		
2-Hexanone	NS	µg/kg	<20	<20	<25	<18	<25	<25 HT	<22 HT	<25	<23	<23	<20	<25	<22	<17	<24	<22	<24	<23	<18	<19	<31		
4-Methyl-2-pentanone	NS	µg/kg	<20	<20	<25	<18	<25	<25 HT	<22 HT	<25	<23	<23	<20	<25	<22	<17	<24	<22	<24	<23	<18	<19	<31		
Acetone	500,000	µg/kg	100	79	24 J	<18	4.7 J	<25 HT	<22 HT	130	35	42	92	<25	<22	3.4 J	23 J	11 J	5.5 J	7.7 J	5.6 J	5.1 J	<31		
Benzene	44,000	µg/kg	<4.1	<3.9	<4.9	<3.6	0.29 J	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	0.20 J	0.45 J	11 J	5.5 J	4.9	<4.6	<3.6	<3.9	<6.2	
Bromodichloromethane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Bromoform	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Bromomethane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Carbon disulfide	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Carbon tetrachloride	22,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Chlorobenzene	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Chloroethane	NS	µg/kg	<4.1	<3.9	<4.9 TH	<3.6 TH	<4.9 TH	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0 TH	<4.3 TH	<3.4 TH	<4.9 TH	<4.5 TH	<4.9 TH	<4.6 TH	<3.6 TH	<3.9 TH	<6.2		
Chloroform	350,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Chloromethane	NS	µg/kg	<4.1	<3.9	<4.9 TH	<3.6 TH	<4.9 TH	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0 TH	<4.3 TH	<3.4 TH	<4.9 TH	<4.5 TH	<4.9 TH	<4.6 TH	<3.6 TH	<3.9 TH	<6.2		
cis-1,2-Dichloroethane	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
cis-1,3-Dichloropropene	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Cyclohexane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	1.5 J		
Dibromochloromethane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Ethylbenzene	390,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	0.46 J	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	0.43 J		
Ethylene dibromide	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Isopropylbenzene (Cumene)	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Methyl acetate	NS	µg/kg	<20	<20	<25	<18	<25	<25 HT	<22 HT	<25	<23	<23	<20	<25	<22	<17	<24	<22	<24	<23	<18	<19	<31		
Methyl tert-butyl ether	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Methylcyclohexane	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	1.2 J	<4.5	<4.7	1.3 J	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	3.2 J		
Methylene chloride	500,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Styrene	NS	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Tetrachloroethane	150,000	µg/kg	<4.1	<3.9	<4.9	<3.6	<4.9	<5.1 HT	<4.5 HT	<4.9	<4.5	<4.7	<4.1	<5.0	<4.3	<3.4	<4.9	<4.5	<4.9	<4.6	<3.6	<3.9	<6.2		
Toluene	500,000	µg/kg	<4.1	0.37 J	<4.9	<3.6	0.87 J	0.57 JHT	0.49 JHT	3.0 J	<4.5	<4.7	0.99 J	<5.0	<4.3	0.56 J	<4.9	<4.5	<4.9	<4.6	<3.6	0.42 J			

Table 1e
Soil Summary Table
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51- RESTRICTED COMMERCIAL- 2010	Location ID Sample Date	B-21-141	B-21-141	B-21-142	B-21-142	B-21-142	B-21-143	B-21-143	B-21-143	B-21-144	B-21-144	B-21-144	B-21-145	B-21-145	B-21-145		
			8/6/2021	8/6/2021	8/6/2021	8/6/2021	8/6/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021	8/9/2021
			8 - 9 ft	13 - 14 ft	1 - 2 ft	8 - 9 ft	11 - 12 ft	1 - 2 ft	5 - 6 ft	13 - 14 ft	2 - 3 ft	15 - 16 ft	24 - 25 ft	0 - 1 ft	3 - 4 ft	13 - 14 ft		
1,1,1-Trichloroethane	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,1,2,2-Tetrachloroethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,1,2-Trichloroethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,1-Dichloroethane	240,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,1-Dichloroethene	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,2,4-Trichlorobenzene	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,2-Dibromo-3-chloropropane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,2-Dichlorobenzene	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,2-Dichloroethane	30,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,2-Dichloropropane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,3-Dichlorobenzene	280,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
1,4-Dichlorobenzene	130,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
2-Butanone	500,000	µg/kg	6.9 J	3.3 J	< 24	27 J	19 J	< 27	< 21	< 22	< 22	< 24	< 22	< 23	4.0 J	3.1 J		
2-Hexanone	NS	µg/kg	< 26	< 22	< 24	< 28 TL	< 29 TL	< 27	< 21	< 22	< 22	< 24	< 22	< 23	< 22	< 25		
4-Methyl-2-pentanone	NS	µg/kg	< 26	< 22	< 24	< 28 TL	< 29 TL	< 27	< 21	< 22	< 22	< 24	< 22	< 23	< 22	< 25		
Acetone	500,000	µg/kg	40	25	< 24	180	260	< 27	22	4.6 J	< 22	15 J	150	< 23	22	25		
Benzene	44,000	µg/kg	< 5.3	< 4.5	< 4.7	11	7.5	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Bromodichloromethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Bromoform	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Bromomethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Carbon disulfide	NS	µg/kg	< 5.3	< 4.5	< 4.7	14	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Carbon tetrachloride	22,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Chlorobenzene	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Chloroethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Chloroform	350,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	2.0 J	< 4.9		
Chloromethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
cis-1,2-Dichloroethane	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
cis-1,3-Dichloropropene	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Cyclohexane	NS	µg/kg	< 5.3	< 4.5	< 4.7	9.4	7.1	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Dibromochloromethane	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Ethylbenzene	390,000	µg/kg	< 5.3	< 4.5	< 4.7	1.6 JTL	1.8 JTL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Ethylene dibromide	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Isopropylbenzene (Cumene)	NS	µg/kg	< 5.3	< 4.5	< 4.7	1.1 JTL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Methyl acetate	NS	µg/kg	< 26	< 22	< 24	< 28	< 29	< 27	< 21	< 22	< 22	< 24	< 22	< 23	< 22	< 25		
Methyl tert-butyl ether	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Methylcyclohexane	NS	µg/kg	1.3 J	< 4.5	0.77 J	15	11	< 5.3	< 4.2	< 4.4	0.85 J	0.84 J	1.0 J	< 4.6	< 4.4	< 4.9		
Methylene chloride	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Styrene	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Tetrachloroethene	150,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Toluene	500,000	µg/kg	1.5 J	0.40 J	< 4.7	16 TL	13 TL	< 5.3	0.60 J	< 4.4	0.96 J	< 4.9	0.93 J	< 4.6	1.3 J	0.49 J		
trans-1,2-Dichloroethene	500,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
trans-1,3-Dichloropropene	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7 TL	< 5.8 TL	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Trichloroethene	200,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Trichlorofluoromethane (Freon 11)	NS	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Vinyl chloride	13,000	µg/kg	< 5.3	< 4.5	< 4.7	< 5.7	< 5.8	< 5.3	< 4.2	< 4.4	< 4.4	< 4.9	< 4.4	< 4.6	< 4.4	< 4.9		
Xylene, Total	500,000	µg/kg	< 11	< 9.0	< 9.4	8.7 J	9.1 J	< 11	< 8.4	< 8.9	0.84 J	< 9.6	0.84 J	< 9.2	< 8.7	< 9.8		
TICs (Calculated), Total	NS	µg/kg	58.3 TJ	47.8 TJ	47.4 TJ	225 TJN	37.7 TJ	46.6 TJ	0	28.1 TJ	52.4 TJ	49 TJ	5.4 TJ	45.2 TJ	44.5 TJ	42.6 TJ		

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
HT = Holding time was exceeded
TH = QC Recovery is outside acceptable limits biased high
TL = QC Recovery is outside acceptable limits biased Low
TJ = Result is TIC and an estimated value or quality control parameter has exceeded lab limits; result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
N = Presumptive evidence of material
NS = No Standard
µg/kg = micrograms per kilogram
ft = feet

Table 2a
Soil Boring Summary Table - Warehouse Property SVOCs, Metals, PCBs, Pesticides, and Herbicides
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-01	B-21-02	B-21-03	B-21-04	B-21-05	B-21-06	B-21-09	B-21-11	B-21-12	B-21-13	B-21-14	B-21-15	B-21-16	B-21-17	B-21-19	B-21-22	B-21-24	B-21-25	B-21-27	B-21-28
		Sample Date	7/14/2021	7/16/2021	7/19/2021	7/21/2021	7/16/2021	7/19/2021	7/19/2021	7/15/2021	7/8/2021	7/8/2021	7/6/2021	7/15/2021	7/8/2021	7/21/2021	7/16/2021	7/7/2021	7/6/2021	7/16/2021	6/28/2021	7/14/2021
		Depth	2 - 3 ft	2 - 3 ft	7 - 8 ft	2 - 3 ft	3 - 4 ft	3 - 4 ft	2 - 3 ft	8 - 9 ft	6 - 7 ft	3 - 4 ft	1 - 2 ft	1 - 2 ft	5 - 6 ft	0 - 1 ft	8 - 9 ft	4 - 5 ft	4 - 5 ft	9 - 10 ft	0 - 1 ft	5 - 6 ft
		Unit																				
1,2,4,5-Tetrachlorobenzene	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
1,4-Dioxane	130,000	µg/kg	< 120	< 110	< 120	< 120	< 110	< 110	< 120	< 110	< 600	< 120	< 120	< 120	< 110	< 120	< 120	< 120	< 110	< 990	< 120	< 120
2,2'-Oxybis(1-chloropropane)	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,3,4,6-Tetrachlorophenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,4,5-Trichlorophenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,4,6-Trichlorophenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,4-Dichlorophenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,4-Dimethylphenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,4-Dinitrophenol	NS	µg/kg	< 2,000	< 1,900	< 2,000	< 2,000	< 1,900	< 1,900	< 2,000	< 1,900	< 9,900	< 2,000	< 2,000	< 2,000	< 1,900	< 1,900	< 2,000	< 2,000	< 2,000	< 1,800	< 16,000	< 1,900
2,4-Dinitrotoluene	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2,6-Dinitrotoluene	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2-Chloronaphthalene	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
2-Chlorophenol	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380 T	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
2-Methylnaphthalene	NS	µg/kg	49 J	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	820 J	< 200
2-Nitroaniline	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380 T	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
2-Nitrophenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
3,3'-Dichlorobenzidine	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380 T	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
3-Nitroaniline	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380 T	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
4-Bromophenyl phenyl ether	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
4-Chloro-3-methylphenol	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
4-Chlorophenyl phenyl ether	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
4-Nitrophenol	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
Acenaphthene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Acenaphthylene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	320 J	< 200
Acetophenone	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Anthracene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Atrazine	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Benzaldehyde	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Benzo(a)anthracene	5,600	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	680 J	< 200
Benzo(a)pyrene	1,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	910 J	< 200
Benzo(b)fluoranthene	5,600	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	2,700	< 200
Benzo(g,h,i)perylene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	1,000 J	< 200
Benzo(k)fluoranthene	56,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	860 J	< 200
Benzyl butyl phthalate	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Biphenyl	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Bis(2-chloroethoxy)methane	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Bis(2-ethylhexyl)phthalate	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Caprolactam	NS	µg/kg	86 J	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Carbazole	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
Chrysene	56,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	1,600 J	< 200
Dibenzo(a,h)anthracene	560	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	300 J	< 200
Dibenzofuran	350,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	250 J	< 200
Dibutyl phthalate	NS	µg/kg	< 200	< 190	< 200	58 JB	< 190	< 190 T	53 JB	< 190	< 1,000	< 210	< 200	< 210	< 200	50 JB	< 200	< 210	< 210	< 190	< 1,700	< 200
Dichloroethyl ether	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	<			

Table 2a
Soil Boring Summary Table - Warehouse Property SVOCs, Metals, PCBs, Pesticides, and Herbicides
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-01	B-21-02	B-21-03	B-21-04	B-21-05	B-21-06	B-21-09	B-21-11	B-21-12	B-21-13	B-21-14	B-21-15	B-21-16	B-21-17	B-21-19	B-21-22	B-21-24	B-21-25	B-21-27	B-21-28	
		Sample Date	7/14/2021	7/16/2021	7/19/2021	7/21/2021	7/16/2021	7/19/2021	7/19/2021	7/15/2021	7/8/2021	7/8/2021	7/6/2021	7/15/2021	7/8/2021	7/21/2021	7/16/2021	7/7/2021	7/6/2021	7/16/2021	6/28/2021	7/14/2021	
		Depth	2 - 3 ft	2 - 3 ft	7 - 8 ft	2 - 3 ft	3 - 4 ft	3 - 4 ft	2 - 3 ft	8 - 9 ft	6 - 7 ft	3 - 4 ft	1 - 2 ft	1 - 2 ft	5 - 6 ft	0 - 1 ft	8 - 9 ft	4 - 5 ft	4 - 5 ft	9 - 10 ft	0 - 1 ft	5 - 6 ft	
		Unit																					
SVOCs	p-Chloroaniline	NS	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
	p-Cresol	500,000	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380 T	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
	Pentachlorophenol	6,700	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
	Phenanthrene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	490 J	< 200
	Phenol	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190 T	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	< 1,700	< 200
	p-Nitroaniline	NS	µg/kg	< 390	< 380	< 390	< 410	< 370	< 380	< 390	< 380	< 2,000	< 400	< 390	< 400	< 380	< 370	< 400	< 400	< 400	< 360	< 3,300	< 390
	Pyrene	500,000	µg/kg	< 200	< 190	< 200	< 210	< 190	< 190	< 200	< 190	< 1,000	< 210	< 200	< 210	< 200	< 190	< 200	< 210	< 210	< 190	1,300 J	< 200
	TICs (Calculated), Total	NS	µg/kg	270 TJ	1,630 TJ	5,450 TJ	4,210 TJN	6,660 TJN	2,530 TJN	3,410 TJN	2,640 TJN	0	3,250 TJ	4,300 TJ	6,790 TJN	3,090 TJ	3,870 TJN	1,140 TJ	4,190 TJ	1,540 TJ	1,130 TJN	1,400 TJN	860 TJN
Metals	Aluminum	NS	mg/kg	12,000 B	6,110	8,070	10,900	7,500	6,440 TH	9,790	8,170 B	7,170	12,200	9,670	13,500 B	8,680	10,600	6,490	6,820 TH	6,870	6,180	5,330	8,460 B
	Antimony	NS	mg/kg	< 18.8	< 16.4	< 17.9	< 19.5	< 17.8	< 17.8 TL	< 18.1	< 18.2	< 19.3	< 19.2	< 17.5	< 18.0	< 18.1	< 17.8	< 18.7	< 17.4 TL	< 18.8	< 16.2	< 15.4	< 19.1
	Arsenic	16	mg/kg	3.7	3.5	6.9	6.1	4.8	4.2	5.2	4.2	4.3	6.7	4.7	4.7	6.2	5.3	6.5	5.0	5.4	5.3	7.1	6.0
	Barium	400	mg/kg	85.2 ^	23.7 ^	20.5 ^	26.9	21.8 ^	15.3 ^TH	24.2 ^	17.7 ^	20.9 ^	44.0 ^	31.6 ^	35.2 ^	27.2 ^	21.1	17.5 ^	17.3 ^TH	19.9 ^	20.2 ^	111 ^	23.3 ^
	Beryllium	590	mg/kg	0.55	0.29	0.41	0.55	0.46	0.37	0.45	0.44	0.37	0.56	0.53	0.61	0.50	0.55	0.48	0.42	0.43	0.42	0.48	0.49
	Cadmium	9.3	mg/kg	0.14 J	0.042 J	< 0.24	0.044 J	< 0.24	< 0.24	< 0.24	0.064 J	< 0.26	0.093 J	0.11 J	0.14 J	< 0.24	0.039 J	< 0.25	0.063 J	0.046 J	< 0.22	0.20 J	0.099 J
	Calcium	NS	mg/kg	101,000	77,600	189,000 B	160,000 B	150,000	194,000 BTL	182,000 B	187,000	166,000	139,000	147,000 B	189,000	163,000	126,000 B	128,000	196,000 BTL	203,000 B	154,000	35,000 B	213,000
	Chromium	1,500	mg/kg	12.0	7.6	9.2	10.7 B	8.2	7.0	9.9	8.2	7.8	13.0	10.0	11.9	9.0	11.0 B	8.4	7.3	7.4	7.3	10.5	7.9
	Cobalt	NS	mg/kg	9.9	4.0	5.8	3.9	5.5	4.5	4.0	4.3	3.7	5.9	4.7	5.4	8.6	4.5	6.9	6.6	4.8	5.5	6.7	6.4
	Copper	270	mg/kg	10.4	8.1	9.8 B	8.9	8.0	8.0 B	9.8 B	10.9	5.0	16.9	11.5	10.2	10.7	7.1	10.6	9.3	10.9	11.6	11.6	13.0
	Iron	NS	mg/kg	16,700	10,100	10,500 B	11,900	10,500	8,340 THB	9,810 B	10,000	8,870	14,100	12,200	11,500	10,900	11,300	12,400	11,700	11,600	9,650	18,000 B	12,900
	Lead	1,000	mg/kg	8.7	8.0	25.0	21.4	27.2	18.6	15.2	20.0	14.5	21.5	22.9	17.4	17.4	14.3	37.4	30.1	17.7	14.9	25.9	20.3
	Magnesium	NS	mg/kg	12,000	9,300	22,400 B	15,600	17,300	15,200 TB	16,600 B	17,600	16,900	7,900	18,900	12,400	3,240	27,400	3,350	15,800	20,600	12,500	12,000 B	18,600
	Manganese	10,000	mg/kg	370	339	397 B	255 B	354	346 B	259 B	333	296	388	307	336	522	257 B	488	355 TL	300	386	145 B	330
	Mercury	2.8	mg/kg	0.014 J	< 0.023	< 0.025	0.0081 J	0.0066 J	0.0053 J	< 0.023	0.0088 J	< 0.021	0.0095 J	0.010 J	0.017 J	0.0078 J	< 0.026	0.010 J	0.0057 J	0.019 J	< 0.021	0.026	< 0.022
	Nickel	310	mg/kg	17.2	9.6	12.2	11.0	11.8	10.1	9.8	10.6	9.3	15.3	12.4	11.5	15.3	11.5	15.6	14.7	11.3	12.1	16.6	11.7
	Potassium	NS	mg/kg	3,220 B	1,950 B	4,460	4,270	3,570 B	3,260 TH	4,370	3,910 B	3,990	4,290	3,660	4,220 B	3,890	4,630	3,400 B	2,980 TH	3,230	3,370 B	1,230	3,410 B
	Selenium	1,500	mg/kg	< 5.0	< 4.4	< 4.8	< 5.2	< 4.7	< 4.8	< 4.8	< 4.9	< 5.1	0.65 J	< 4.7	< 4.8	< 4.8	< 4.8	< 5.0	< 4.6	< 5.0	0.51 J	1.3 J	< 5.1
	Silver	1,500	mg/kg	0.49 J	< 0.66	< 0.72	< 0.78	0.25 J	< 0.71	< 0.72	0.31 J	< 0.77	< 0.77	0.35 J	0.30 J	< 0.72	< 0.71	< 0.75	0.35 J	< 0.75	< 0.65	3.0	< 0.76
	Sodium	NS	mg/kg	381 B	122 J	163 J	144 J	123 J	145 J	163 J	161 JB	155 J	212	128 J	162 JB	170	141 J	119 J	129 J	152 J	137 J	225	202 B
Thallium	NS	mg/kg	< 7.5	< 6.6	< 7.2	< 7.8	< 7.1	< 7.1	< 7.2	< 7.3	< 7.7	< 7.7	< 7.0	< 7.2	< 7.2	< 7.1	< 7.5	< 7.0	< 7.5	< 6.5	< 6.2	< 7.6	
Vanadium	NS	mg/kg	29.5	12.2	9.7	12.4	8.8	7.9	10.9	9.2	8.4	17.0	12.3	14.5	10.3	12.7	8.7	8.4	8.4	7.7	13.1	10.2	
Zinc	10,000	mg/kg	31.0	18.4	43.5	16.6	14.8	57.2	10.8	23.2	8.9	35.7	27.2	29.8	18.3	8.8	38.6	30.8	8.7	39.8	39.0	21.2	
PCBs	Aroclor 1016	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1221	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1232	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1242	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1248	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1254	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
	Aroclor 1260	1	mg/kg	< 0.29	< 0.25	< 0.25	< 0.22	< 0.28	< 0.29	< 0.27	< 0.29	< 0.24	< 0.22	< 0.27	< 0.28	< 0.26	< 0.19	< 0.23	< 0.27	< 0.24	< 0.27	< 0.23	< 0.25
Pesticides	4,4'-DDD	92,000	µg/kg	< 2.0	< 1.9	< 2.0	< 2.1	< 1.9	< 1.9	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	< 1.8	< 1.7	< 2.0	
	4,4'-DDE	62,000	µg/kg	< 2.0	< 1.9	< 2.0	< 2.1	< 1.9	0.51 J	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	0.49 J	< 1.9	< 2.0	< 2.0	< 2.0	< 1.8	< 1.7	< 2.0	
	4,4'-DDT	47,000	µg/kg	< 2.0	< 1.9	< 2.0	< 2.1 TH	< 1.9	< 1.9	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	< 2.0	< 1.9 TH	< 2.0	< 2.0	< 2.0	< 1.8	0.72 J	< 2.0	
	Aldrin	680	µg/kg	< 2.0	< 1.9	< 2.0	< 2.1	< 1.9	< 1.9	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	< 2.0	< 1.9	< 2.0	< 2.0	< 2.0	< 1.8	< 1.7	< 2.0	
	alpha-BHC/HCH	3,400	µg/kg	< 2.0	< 1.9	< 2.0	0.63 J	< 1.9															

Table 2a
Soil Boring Summary Table - Warehouse Property SVOCs, Metals, PCBs, Pesticides, and Herbicides
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-01	B-21-02	B-21-03	B-21-04	B-21-05	B-21-06	B-21-09	B-21-11	B-21-12	B-21-13	B-21-14	B-21-15	B-21-16	B-21-17	B-21-19	B-21-22	B-21-24	B-21-25	B-21-27	B-21-28
		Sample Date	7/14/2021	7/16/2021	7/19/2021	7/21/2021	7/16/2021	7/19/2021	7/19/2021	7/15/2021	7/8/2021	7/8/2021	7/6/2021	7/15/2021	7/8/2021	7/21/2021	7/16/2021	7/7/2021	7/6/2021	7/16/2021	6/28/2021	7/14/2021
		Depth	2 - 3 ft	2 - 3 ft	7 - 8 ft	2 - 3 ft	3 - 4 ft	3 - 4 ft	2 - 3 ft	8 - 9 ft	6 - 7 ft	3 - 4 ft	1 - 2 ft	1 - 2 ft	5 - 6 ft	0 - 1 ft	8 - 9 ft	4 - 5 ft	4 - 5 ft	9 - 10 ft	0 - 1 ft	5 - 6 ft
Unit																						
Herbicides	2,4,5-TP (Silvex)	500,000	µg/kg	< 20	< 19	< 20	< 20	< 19	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 19	< 20	< 20	< 20	< 18	< 17	< 20
	2,4-Dichlorophenoxyacetic acid	NS	µg/kg	< 20	< 19	< 20	< 20	< 19	< 19	< 19	< 19	< 20	< 20	< 20	< 20	< 19	< 20	< 20	< 20	< 18	< 17	< 20

Notes:

- < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- B = Possible Laboratory Contamination of the Sample
- T = Indicates that a quality control parameter has exceeded laboratory limits
- TH = QC Recovery is outside acceptable limits biased high
- TL = QC Recovery is outside acceptable limits biased Low
- TJ = Result is TIC and an estimated value or quality control parameter has exceeded lab limits; result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
- N = Presumptive evidence of material
- ^ = Instrument related QC is outside acceptance limits (TABUF)
- NS = No Standard
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- ft = feet

Table 2b
Soil Boring Summary Table - Warehouse Property PFAS
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-04	B-21-06	B-21-08	B-21-10	B-21-11	
		Sample Date	7/21/2021	7/19/2021	7/14/2021	7/7/2021	7/15/2021	
		Depth	0 - 1 ft	1 - 2 ft	7 - 8 ft	2 - 3 ft	2 - 3 ft	
		Unit						
Perfluorobutanoic acid (PFBA)	NS	µg/kg	1.1	0.47 J	0.19 J	0.66	0.80	
Perfluoropentanoic acid (PFPeA)	NS	µg/kg	0.41	0.070 J	< 0.23	< 0.25	< 0.23	
Perfluorohexanoic acid (PFHxA)	NS	µg/kg	0.15 J	0.053 J	< 0.23	< 0.25	< 0.23	
Perfluoroheptanoic acid (PFHpA)	NS	µg/kg	0.090 J	0.028 J	< 0.23	< 0.25	< 0.23	
Perfluorooctanoic acid (PFOA)	NS	µg/kg	0.27	0.14 J	< 0.23	< 0.25	< 0.23	
Perfluorononanoic acid (PFNA)	NS	µg/kg	0.12 J	0.052 J	< 0.23	< 0.25	< 0.23	
Perfluorodecanoic acid (PFDA)	NS	µg/kg	0.045 J	0.021 JI	< 0.23	< 0.25	< 0.23	
Perfluoroundecanoic acid (PFUnDA)	NS	µg/kg	0.060 J	0.027 J	< 0.23	< 0.25	< 0.23	
Perfluorododecanoic acid (PFDoDA)	NS	µg/kg	< 0.26	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluorotridecanoic acid (PFTrDA)	NS	µg/kg	0.022 J	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluorotetradecanoic acid (PFTeDA)	NS	µg/kg	< 0.26	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluorobutane sulfonic acid (PFBS)	NS	µg/kg	0.022 J	< 0.25	0.013 JB	< 0.25	0.011 JB	
Perfluorohexane sulfonic acid (PFHxS)	NS	µg/kg	0.025 JI	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluoroheptane sulfonic acid (PFHpS)	NS	µg/kg	< 0.26	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluorooctane sulfonic acid (PFOS)	NS	µg/kg	2.4 I	0.26 I	< 0.23	< 0.25	< 0.23	
Perfluorooctane sulfonamide (FOSA)	NS	µg/kg	< 0.26	< 0.25	< 0.23	< 0.25	< 0.23	
Perfluorodecane sulfonic acid (PFDS)	NS	µg/kg	< 0.26	< 0.25	< 0.23	< 0.25	< 0.23	
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	NS	µg/kg	< 2.6	< 2.5	< 2.3	< 2.5	< 2.3	
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	NS	µg/kg	< 2.6	< 2.5	< 2.3	< 2.5	< 2.3	
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtPFOSAA)	NS	µg/kg	< 2.6	< 2.5	< 2.3	< 2.5	< 2.3	
N-Methyl perfluorooctanesulfonamidoacetic acid (NMePFOSAA)	NS	µg/kg	< 2.6	< 2.5	< 2.3	< 2.5	< 2.3	
TOTAL PFAS	NS	µg/kg	4,714	1,121	0,203	0,66	0,811	
Total Organic Carbon	Organic Carbon, Total	NS	mg/kg	29,800	28,500	40,800	31,000	36,700

Notes:

- < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
- J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
- I = Value is EMPC (estimated maximum possible concentration)
- JI = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value; Value is EMPC (estimated maximum possible concentration)
- JB = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value; Compound was found in the blank and sample
- NS = No Standard
- mg/kg = milligrams per kilogram
- µg/kg = micrograms per kilogram
- ft = feet

Table 2c
Test Pit Summary Table - Warehouse
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	TP-21-05	TP-21-06	
		Sample Date	7/22/2021	7/22/2021	
		Unit			
VOCs	1,1,1-Trichloroethane	500,000	µg/kg	< 4.9	--
	1,1,2,2-Tetrachloroethane	NS	µg/kg	< 4.9	--
	1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	< 4.9	--
	1,1,2-Trichloroethane	NS	µg/kg	< 4.9	--
	1,1-Dichloroethane	240,000	µg/kg	< 4.9	--
	1,1-Dichloroethene	500,000	µg/kg	< 4.9	--
	1,2,4-Trichlorobenzene	NS	µg/kg	< 4.9	--
	1,2-Dibromo-3-chloropropane	NS	µg/kg	< 4.9	--
	1,2-Dichlorobenzene	500,000	µg/kg	< 4.9	--
	1,2-Dichloroethane	30,000	µg/kg	< 4.9	--
	1,2-Dichloropropane	NS	µg/kg	< 4.9	--
	1,3-Dichlorobenzene	280,000	µg/kg	< 4.9	--
	1,4-Dichlorobenzene	130,000	µg/kg	< 4.9	--
	2-Butanone	500,000	µg/kg	< 24	--
	2-Hexanone	NS	µg/kg	< 24	--
	4-Methyl-2-pentanone	NS	µg/kg	< 24	--
	Acetone	500,000	µg/kg	< 24	--
	Benzene	44,000	µg/kg	< 4.9	--
	Bromodichloromethane	NS	µg/kg	< 4.9	--
	Bromoform	NS	µg/kg	< 4.9	--
	Bromomethane	NS	µg/kg	< 4.9	--
	Carbon disulfide	NS	µg/kg	< 4.9	--
	Carbon tetrachloride	22,000	µg/kg	< 4.9	--
	Chlorobenzene	500,000	µg/kg	< 4.9	--
	Chloroethane	NS	µg/kg	< 4.9 TH	--
	Chloroform	350,000	µg/kg	< 4.9	--
	Chloromethane	NS	µg/kg	< 4.9 TH	--
	cis-1,2-Dichloroethene	500,000	µg/kg	< 4.9	--
	cis-1,3-Dichloropropene	NS	µg/kg	< 4.9	--
	Cyclohexane	NS	µg/kg	< 4.9	--
	Dibromochloromethane	NS	µg/kg	< 4.9	--
	Dichlorodifluoromethane (Freon 12)	NS	µg/kg	< 4.9	--
	Ethylbenzene	390,000	µg/kg	< 4.9	--
	Ethylene dibromide	NS	µg/kg	< 4.9	--
	Isopropylbenzene (Cumene)	NS	µg/kg	< 4.9	--
	Methyl acetate	NS	µg/kg	< 24	--
	Methyl tert-butyl ether	500,000	µg/kg	< 4.9	--
	Methylcyclohexane	NS	µg/kg	< 4.9	--
	Methylene chloride	500,000	µg/kg	< 4.9	--
	Styrene	NS	µg/kg	< 4.9	--
	Tetrachloroethene	150,000	µg/kg	< 4.9	--
	Toluene	500,000	µg/kg	< 4.9	--
	trans-1,2-Dichloroethene	500,000	µg/kg	< 4.9	--
trans-1,3-Dichloropropene	NS	µg/kg	< 4.9	--	
Trichloroethene	200,000	µg/kg	< 4.9	--	
Trichlorofluoromethane (Freon 11)	NS	µg/kg	< 4.9	--	
Vinyl chloride	13,000	µg/kg	< 4.9 TH	--	
Xylene, Total	500,000	µg/kg	< 9.8	--	
TICs (Calculated), Total	NS	µg/kg	0	--	
SVOCs	1,2,4,5-Tetrachlorobenzene	NS	µg/kg	--	< 210
	1,4-Dioxane	130,000	µg/kg	--	< 120
	2,2'-Oxybis(1-chloropropane)	NS	µg/kg	--	< 210
	2,3,4,6-Tetrachlorophenol	NS	µg/kg	--	< 210
	2,4,5-Trichlorophenol	NS	µg/kg	--	< 210
	2,4,6-Trichlorophenol	NS	µg/kg	--	< 210
	2,4-Dichlorophenol	NS	µg/kg	--	< 210
	2,4-Dimethylphenol	NS	µg/kg	--	< 210
	2,4-Dinitrophenol	NS	µg/kg	--	< 2,000
	2,4-Dinitrotoluene	NS	µg/kg	--	< 210
	2,6-Dinitrotoluene	NS	µg/kg	--	< 210
	2-Chloronaphthalene	NS	µg/kg	--	< 210
	2-Chlorophenol	NS	µg/kg	--	< 400
	2-Methylnaphthalene	NS	µg/kg	--	< 210
	2-Nitroaniline	NS	µg/kg	--	< 400
	2-Nitrophenol	NS	µg/kg	--	< 210
	3,3'-Dichlorobenzidine	NS	µg/kg	--	< 400
	3-Nitroaniline	NS	µg/kg	--	< 400
	4-Bromophenyl phenyl ether	NS	µg/kg	--	< 210
	4-Chloro-3-methylphenol	NS	µg/kg	--	< 210
	4-Chlorophenyl phenyl ether	NS	µg/kg	--	< 210
	4-Nitrophenol	NS	µg/kg	--	< 400
	Acenaphthene	500,000	µg/kg	--	< 210
	Acenaphthylene	500,000	µg/kg	--	< 210
	Acetophenone	NS	µg/kg	--	< 210
	Anthracene	500,000	µg/kg	--	< 210
	Atrazine	NS	µg/kg	--	< 210
	Benzaldehyde	NS	µg/kg	--	< 210
	Benzo(a)anthracene	5,600	µg/kg	--	< 210
	Benzo(a)pyrene	1,000	µg/kg	--	< 210
	Benzo(b)fluoranthene	5,600	µg/kg	--	< 210
	Benzo(g,h,i)perylene	500,000	µg/kg	--	< 210
	Benzo(k)fluoranthene	56,000	µg/kg	--	< 210
	Benzyl butyl phthalate	NS	µg/kg	--	< 210
	Biphenyl	NS	µg/kg	--	< 210
	Bis(2-chloroethoxy)methane	NS	µg/kg	--	< 210
	Bis(2-ethylhexyl)phthalate	NS	µg/kg	--	< 210
	Caprolactam	NS	µg/kg	--	< 210
	Carbazole	NS	µg/kg	--	< 210
	Chrysene	56,000	µg/kg	--	< 210
	Dibenzo(a,h)anthracene	560	µg/kg	--	< 210
	Dibenzofuran	350,000	µg/kg	--	< 210
	Dibutyl phthalate	NS	µg/kg	--	< 210
	Dichloroethyl ether	NS	µg/kg	--	< 210
	Diethyl phthalate	NS	µg/kg	--	< 210
	Dimethyl phthalate	NS	µg/kg	--	< 210
	Dinitro-o-cresol	NS	µg/kg	--	< 400
	Di-n-octyl phthalate	NS	µg/kg	--	< 210
	Fluoranthene	500,000	µg/kg	--	< 210
	Fluorene	500,000	µg/kg	--	< 210
	Hexachlorobenzene	6,000	µg/kg	--	< 210
	Hexachlorobutadiene	NS	µg/kg	--	< 210
	Hexachlorocyclopentadiene	NS	µg/kg	--	< 210
	Hexachloroethane	NS	µg/kg	--	< 210
	Indeno(1,2,3-cd)pyrene	5,600	µg/kg	--	< 210
	Isophorone	NS	µg/kg	--	< 210
	Naphthalene	500,000	µg/kg	--	< 210
Nitrobenzene	NS	µg/kg	--	< 210	
n-Nitrosodi-n-propylamine	NS	µg/kg	--	< 210	
n-Nitrosodiphenylamine	NS	µg/kg	--	< 210	
o-Cresol	500,000	µg/kg	--	< 210	
p-Chloroaniline	NS	µg/kg	--	< 210	
p-Cresol	500,000	µg/kg	--	< 400	
Pentachlorophenol	6,700	µg/kg	--	< 400	
Phenanthrene	500,000	µg/kg	--	< 210	
Phenol	500,000	µg/kg	--	< 210	
p-Nitroaniline	NS	µg/kg	--	< 400	
Pyrene	500,000	µg/kg	--	< 210	
TICs (Calculated), Total	NS	µg/kg	--	8,740 TJN	

Table 2c
Test Pit Summary Table - Warehouse
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	TP-21-05	TP-21-06	
		Sample Date	7/22/2021	7/22/2021	
		Unit			
Metals	Aluminum	NS	mg/kg	--	13,700
	Antimony	NS	mg/kg	--	< 18.5
	Arsenic	16	mg/kg	--	7.5
	Barium	400	mg/kg	--	56.4
	Beryllium	590	mg/kg	--	0.72
	Cadmium	9.3	mg/kg	--	0.28
	Calcium	NS	mg/kg	--	10,000 B
	Chromium	1,500	mg/kg	--	15.8
	Cobalt	NS	mg/kg	--	8.1
	Copper	270	mg/kg	--	11.8
	Iron	NS	mg/kg	--	16,000 ^
	Lead	1,000	mg/kg	--	32.4
	Magnesium	NS	mg/kg	--	3,610 B
	Manganese	10,000	mg/kg	--	809 B^
	Mercury	2.8	mg/kg	--	0.066
	Nickel	310	mg/kg	--	16.4
	Potassium	NS	mg/kg	--	2,970
	Selenium	1,500	mg/kg	--	1.3 J
	Silver	1,500	mg/kg	--	0.43 J
	Sodium	NS	mg/kg	--	63.7 J
Thallium	NS	mg/kg	--	< 7.4	
Vanadium	NS	mg/kg	--	22.6	
Zinc	10,000	mg/kg	--	62.1	
PCBs	Aroclor 1016	1	mg/kg	--	< 0.29
	Aroclor 1221	1	mg/kg	--	< 0.29
	Aroclor 1232	1	mg/kg	--	< 0.29
	Aroclor 1242	1	mg/kg	--	< 0.29
	Aroclor 1248	1	mg/kg	--	< 0.29
	Aroclor 1254	1	mg/kg	--	< 0.29
	Aroclor 1260	1	mg/kg	--	< 0.29
Pesticides	4,4'-DDD	92,000	µg/kg	--	< 40
	4,4'-DDE	62,000	µg/kg	--	< 40
	4,4'-DDT	47,000	µg/kg	--	< 40
	Aldrin	680	µg/kg	--	< 40
	alpha-BHC/HCH	3,400	µg/kg	--	< 40
	beta-BHC/HCH	3,000	µg/kg	--	< 40
	Chlorinated camphene/ Toxaphene	NS	µg/kg	--	< 400
	cis-Chlordane	24,000	µg/kg	--	< 40
	cis-Heptachlor epoxide	NS	µg/kg	--	< 40
	delta-BHC/HCH	500,000	µg/kg	--	< 40
	Dieldrin	1,400	µg/kg	--	< 40
	Endosulfan I (Alpha)	200,000	µg/kg	--	< 40
	Endosulfan II (Beta)	200,000	µg/kg	--	< 40
	Endosulfan sulfate	200,000	µg/kg	--	< 40 TH
	Endrin	89,000	µg/kg	--	< 40
	Endrin aldehyde	NS	µg/kg	--	< 40
	Endrin ketone	NS	µg/kg	--	< 40
gamma-BHC/HCH (Lindane)	9,200	µg/kg	--	10 JB	
Heptachlor	15,000	µg/kg	--	< 40	
Methoxychlor	NS	µg/kg	--	< 40 TH	
trans-Chlordane	NS	µg/kg	--	< 40	
Herbicides	2,4,5-TP (Silvex)	500,000	µg/kg	--	< 20
	2,4-Dichlorophenoxyacetic acid	NS	µg/kg	--	< 20

Notes:
< = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
-- = Not analyzed
J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
B = Possible Laboratory Contamination of the Sample
TH = QC Recovery is outside acceptable limits biased high
TJ = Result is TIC and an estimated value or quality control parameter has exceeded lab limits; result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value
N = Presumptive evidence of material
^ = Instrument related QC is outside acceptance limits (TABUF)
NS = No Standard
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram

Table 2d
Soil Boring Summary Table - Warehouse Property VOCs
Li-Cycle Ridgeway Property Facility
Rochester, New York

Analyte	NY-375-5-CP51 Restricted Commercial (2010)	Location ID	B-21-24	B-21-25	B-21-25	B-21-26	B-21-27
		Sample Date	7/6/2021	7/16/2021	7/16/2021	6/28/2021	6/28/2021
		Depth	9 - 10 ft	3 - 4 ft	4 - 5 ft	6 - 8 ft	0 - 1 ft
		Unit					
1,1,1-Trichloroethane	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,1,2,2-Tetrachloroethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,1,2-trichloro-1,2,2-trifluoroethane (Freon 113)	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,1,2-Trichloroethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,1-Dichloroethane	240,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,1-Dichloroethene	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,2,4-Trichlorobenzene	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,2-Dibromo-3-chloropropane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,2-Dichlorobenzene	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,2-Dichloroethane	30,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,2-Dichloropropane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,3-Dichlorobenzene	280,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
1,4-Dichlorobenzene	130,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
2-Butanone	500,000	µg/kg	< 23	< 24	< 34	< 17	< 21
2-Hexanone	NS	µg/kg	< 23	< 24	< 34	< 17	< 21
4-Methyl-2-pentanone	NS	µg/kg	< 23	< 24	< 34	< 17	< 21
Acetone	500,000	µg/kg	< 23	< 24	< 34	< 17	< 21
Benzene	44,000	µg/kg	0.32 J	< 4.7	< 6.8	< 3.4	0.38 J
Bromodichloromethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Bromoform	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Bromomethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Carbon disulfide	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Carbon tetrachloride	22,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Chlorobenzene	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Chloroethane	NS	µg/kg	< 4.7	< 4.7 TH	< 6.8 TH	< 3.4	< 4.1
Chloroform	350,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Chloromethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
cis-1,2-Dichloroethene	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
cis-1,3-Dichloropropene	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Cyclohexane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Dibromochloromethane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Dichlorodifluoromethane (Freon 12)	NS	µg/kg	< 4.7 TL	< 4.7	< 6.8	< 3.4	< 4.1
Ethylbenzene	390,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Ethylene dibromide	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Isopropylbenzene (Cumene)	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Methyl acetate	NS	µg/kg	< 23	< 24	< 34	< 17	< 21
Methyl tert-butyl ether	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Methylcyclohexane	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	0.65 J
Methylene chloride	500,000	µg/kg	< 4.7	< 4.7	< 6.8	5.5 BTH	5.0 BTH
Styrene	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Tetrachloroethene	150,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	0.67 J
Toluene	500,000	µg/kg	0.71 J	< 4.7	< 6.8	0.41 JB	0.90 JB
trans-1,2-Dichloroethene	500,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
trans-1,3-Dichloropropene	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Trichloroethene	200,000	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Trichlorofluoromethane (Freon 11)	NS	µg/kg	< 4.7	< 4.7	< 6.8	< 3.4	< 4.1
Vinyl chloride	13,000	µg/kg	< 4.7	< 4.7 TH	< 6.8 TH	< 3.4	< 4.1
Xylene, Total	500,000	µg/kg	< 9.4	< 9.4	< 14	< 6.8	< 8.3
TICs (Calculated), Total	NS	µg/kg	7.5 TJN	0	0	0	65.1 TJN

Notes:

- < = Compound not detected at concentrations above the laboratory reporting detection limit. The laboratory reporting detection limit is shown.
- J = The analyte was positively identified; associated numerical value is the approximate concentration of the analyte in the sample.
- B = Possible Laboratory Contamination of the Sample
- HT = Holding time was exceeded
- TH = Not detected; QC Recovery is outside acceptable limits biased high
- TL = Not detected; QC Recovery is outside acceptable limits biased Low
- TJ = Result is TIC and an estimated value or quality control parameter has exceeded lab limits; concentration is an approximate value
- N = Presumptive evidence of material
- NS = No Standard
- µg/kg = micrograms per kilogram
- ft = feet

APPENDIX A
ANALYTICAL DATA REPORTS

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186649-1
Laboratory Sample Delivery Group: 480-186649-1
Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:
ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Attn: Mr. Robert Sents



Authorized for release by:
7/20/2021 2:27:57 PM
Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for
John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Job ID: 480-186649-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-186649-1

Comments

No additional comments.

Receipt

The samples were received on 6/30/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method 8260C: The method blank for preparation batch 480-587686 and analytical batch 480-587679 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated sample(s) were not re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL. The following samples were affected: B21-18 (4.0-5.0) (06282021) (480-186649-1), B21-27 (0.0-1.0) (06282021) (480-186649-2) and B21-26 (6.0-8.0) (06282021) (480-186649-3).

Method 8260C: The LCS for 480-587679 recovered outside control limits for the analyte Methylene Chloride due to laboratory contamination. The following samples are impacted: B21-18 (4.0-5.0) (06282021) (480-186649-1), B21-27 (0.0-1.0) (06282021) (480-186649-2) and B21-26 (6.0-8.0) (06282021) (480-186649-3).

Method 8260C: The analyte Methylene Chloride was detected in the following samples at a level above the requested reporting limit: B21-18 (4.0-5.0) (06282021) (480-186649-1), B21-27 (0.0-1.0) (06282021) (480-186649-2) and B21-26 (6.0-8.0) (06282021) (480-186649-3). Methylene Chloride is a known lab contaminant, therefore, the sample detection for Methylene Chloride in the analysis may potentially be due to laboratory contamination and should be evaluated accordingly.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-587679 recovered above the upper control limit for Dibromochloromethane and Toluene. The samples associated with this CCV were non-detects above the reporting limits for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B21-18 (4.0-5.0) (06282021) (480-186649-1), B21-27 (0.0-1.0) (06282021) (480-186649-2) and B21-26 (6.0-8.0) (06282021) (480-186649-3).

Method 8260C: The continuing calibration verification (CCV) analyzed in batch 480-587679 was outside the method criteria for the following analyte: Methylene Chloride, a known common laboratory contaminant. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte should be evaluated accordingly. The following samples are affected: B21-18 (4.0-5.0) (06282021) (480-186649-1), B21-27 (0.0-1.0) (06282021) (480-186649-2) and B21-26 (6.0-8.0) (06282021) (480-186649-3).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: B21-27 (0.0-1.0) (06282021) (480-186649-2). Elevated reporting limits (RL) are provided.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-588694 recovered outside acceptance criteria, low biased, for 2,2'-oxybis[1-chloropropane]. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: B21-27 (0.0-1.0) (06282021) (480-186649-2). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for Endrin ketone and Methoxychlor for the following sample: B21-27 (0.0-1.0) (06282021) (480-186649-2). The lower value(s) has been reported and qualified in accordance with

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Job ID: 480-186649-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

the laboratory's SOP.

Method 8081B: For method 8081, the recovery of the one surrogate in samples B21-27 (0.0-1.0) (06282021) (480-186649-2) exceeds quality control limits due to the sample matrix. The recovery of the secondary surrogate is within quality control criteria; no corrective action is required.

Method 8151A: The continuing calibration verification (CCV) associated with batch 480-589497 recovered above the upper control limit for Silvex (2,4,5-TP) and 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: B21-27 (0.0-1.0) (06282021) (480-186649-2).

Method 8151A: Surrogate recovery for the following sample was outside control limits: B21-27 (0.0-1.0) (06282021) (480-186649-2). Re-extraction and re-analysis was performed outside of holding time with acceptable results. Both sets of data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B21-27 (0.0-1.0) (06282021) (480-186649-2), (LCSSRM 480-588098/2-A) and (MB 480-588098/1-A)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following sample required a Florisil clean-up, via 3620C, to reduce matrix interferences: B21-27 (0.0-1.0) (06282021) (480-186649-2).

Method 3550C: Due to the matrix, the initial volume(s) used for the following sample deviated from the standard procedure: 8270DB21-27 (0.0-1.0) (06282021) (480-186649-2). The reporting limits (RLs) have been adjusted proportionately.

Method 8151A: The following sample was re-prepared outside of preparation holding time due to low surrogate recovery: B21-27 (0.0-1.0) (06282021) (480-186649-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Client Sample ID: B21-18 (4.0-5.0) (06282021)

Lab Sample ID: 480-186649-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.35	J	4.3	0.21	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	1.5	J	4.3	0.65	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	7.9	B TH	4.3	2.0	ug/Kg	1	✳	8260C	Total/NA
Tetrachloroethene	0.92	J	4.3	0.58	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.87	J B	4.3	0.32	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	1.2	J	4.3	0.95	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	0.81	J	8.6	0.72	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.38	J	4.1	0.20	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	0.65	J	4.1	0.63	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	5.0	B TH	4.1	1.9	ug/Kg	1	✳	8260C	Total/NA
Tetrachloroethene	0.67	J	4.1	0.56	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.90	J B	4.1	0.31	ug/Kg	1	✳	8260C	Total/NA
2-Methylnaphthalene	820	J	1700	340	ug/Kg	5	✳	8270D	Total/NA
Acenaphthylene	320	J	1700	220	ug/Kg	5	✳	8270D	Total/NA
Benzo[a]anthracene	680	J	1700	170	ug/Kg	5	✳	8270D	Total/NA
Benzo[a]pyrene	910	J	1700	250	ug/Kg	5	✳	8270D	Total/NA
Benzo[b]fluoranthene	2700		1700	270	ug/Kg	5	✳	8270D	Total/NA
Benzo[g,h,i]perylene	1000	J	1700	180	ug/Kg	5	✳	8270D	Total/NA
Benzo[k]fluoranthene	860	J	1700	220	ug/Kg	5	✳	8270D	Total/NA
Chrysene	1600	J	1700	380	ug/Kg	5	✳	8270D	Total/NA
Dibenz(a,h)anthracene	300	J	1700	300	ug/Kg	5	✳	8270D	Total/NA
Dibenzofuran	250	J	1700	200	ug/Kg	5	✳	8270D	Total/NA
Fluoranthene	1300	J	1700	180	ug/Kg	5	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1000	J	1700	210	ug/Kg	5	✳	8270D	Total/NA
Naphthalene	590	J	1700	220	ug/Kg	5	✳	8270D	Total/NA
Phenanthrene	490	J	1700	250	ug/Kg	5	✳	8270D	Total/NA
Pyrene	1300	J	1700	200	ug/Kg	5	✳	8270D	Total/NA
4,4'-DDT	0.72	J	1.7	0.39	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	1.7		1.7	0.41	ug/Kg	1	✳	8081B	Total/NA
Methoxychlor	2.0		1.7	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	5330		10.3	4.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	7.1		2.1	0.41	mg/Kg	1	✳	6010C	Total/NA
Barium	111	^	0.51	0.11	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.21	0.029	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.20	J	0.21	0.031	mg/Kg	1	✳	6010C	Total/NA
Calcium	35000	B	51.5	3.4	mg/Kg	1	✳	6010C	Total/NA
Chromium	10.5		0.51	0.21	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.7		0.51	0.051	mg/Kg	1	✳	6010C	Total/NA
Copper	11.6		1.0	0.22	mg/Kg	1	✳	6010C	Total/NA
Iron	18000	B	10.3	3.6	mg/Kg	1	✳	6010C	Total/NA
Lead	25.9		1.0	0.25	mg/Kg	1	✳	6010C	Total/NA
Magnesium	12000	B	20.6	0.95	mg/Kg	1	✳	6010C	Total/NA
Manganese	145	B	0.21	0.033	mg/Kg	1	✳	6010C	Total/NA
Nickel	16.6		5.1	0.24	mg/Kg	1	✳	6010C	Total/NA
Potassium	1230		30.9	20.6	mg/Kg	1	✳	6010C	Total/NA
Selenium	1.3	J	4.1	0.41	mg/Kg	1	✳	6010C	Total/NA
Silver	3.0		0.62	0.21	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021) (Continued)

Lab Sample ID: 480-186649-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	225		144	13.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	13.1		0.51	0.11	mg/Kg	1	✳	6010C	Total/NA
Zinc	39.0		2.1	0.66	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.026		0.020	0.0046	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B21-26 (6.0-8.0) (06282021)

Lab Sample ID: 480-186649-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	5.5	B TH	3.4	1.6	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.41	J B	3.4	0.26	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Client Sample ID: B21-18 (4.0-5.0) (06282021)

Lab Sample ID: 480-186649-1

Date Collected: 06/28/21 13:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 86.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
2-Hexanone	21	U	21	2.1	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Acetone	21	U	21	3.6	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Benzene	0.35	J	4.3	0.21	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Chloroethane	4.3	U	4.3	0.97	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Methyl acetate	21	U	21	2.6	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Methylcyclohexane	1.5	J	4.3	0.65	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Methylene Chloride	7.9	B TH	4.3	2.0	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Styrene	4.3	U	4.3	0.21	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Tetrachloroethene	0.92	J	4.3	0.58	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Toluene	0.87	J B	4.3	0.32	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Trichloroethene	1.2	J	4.3	0.95	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Vinyl chloride	4.3	U	4.3	0.52	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1
Xylenes, Total	0.81	J	8.6	0.72	ug/Kg	✱	06/30/21 09:00	06/30/21 23:03	1

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-18 (4.0-5.0) (06282021)

Lab Sample ID: 480-186649-1

Date Collected: 06/28/21 13:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 86.7

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Naphthalene, 1,8-dimethyl-	6.3	T J N	ug/Kg	☼	9.71	569-41-5	06/30/21 09:00	06/30/21 23:03	1
Naphthalene, 1,4-dimethyl-	32	T J N	ug/Kg	☼	10.39	571-58-4	06/30/21 09:00	06/30/21 23:03	1
Unknown	5.6	T J	ug/Kg	☼	11.67		06/30/21 09:00	06/30/21 23:03	1
Unknown	6.2	T J	ug/Kg	☼	11.90		06/30/21 09:00	06/30/21 23:03	1
Unknown	5.9	T J	ug/Kg	☼	12.02		06/30/21 09:00	06/30/21 23:03	1
Unknown	6.2	T J	ug/Kg	☼	12.33		06/30/21 09:00	06/30/21 23:03	1
Unknown	8.0	T J	ug/Kg	☼	12.43		06/30/21 09:00	06/30/21 23:03	1
Tridecane	9.4	T J N	ug/Kg	☼	12.73	629-50-5	06/30/21 09:00	06/30/21 23:03	1
Naphthalene, 2-methyl-	9.6	T J N	ug/Kg	☼	13.71	91-57-6	06/30/21 09:00	06/30/21 23:03	1
1,4-Methanonaphthalene, 1,4-dihydro-	9.3	T J N	ug/Kg	☼	13.93	4453-90-1	06/30/21 09:00	06/30/21 23:03	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	97		64 - 126				06/30/21 09:00	06/30/21 23:03	1
4-Bromofluorobenzene (Surr)	93		72 - 126				06/30/21 09:00	06/30/21 23:03	1
Dibromofluoromethane (Surr)	95		60 - 140				06/30/21 09:00	06/30/21 23:03	1
Toluene-d8 (Surr)	101		71 - 125				06/30/21 09:00	06/30/21 23:03	1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 8260C - Volatile Organic Compounds by GC/MS

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.95	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,1-Dichloroethane	4.1	U	4.1	0.51	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Acetone	21	U	21	3.5	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Benzene	0.38	J	4.1	0.20	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Bromodichloromethane	4.1	U	4.1	0.56	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Chloroethane	4.1	U	4.1	0.94	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Isopropylbenzene	4.1	U	4.1	0.63	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Methylcyclohexane	0.65	J	4.1	0.63	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Methylene Chloride	5.0	B TH	4.1	1.9	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Tetrachloroethene	0.67	J	4.1	0.56	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Toluene	0.90	J B	4.1	0.31	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Vinyl chloride	4.1	U	4.1	0.51	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1
Xylenes, Total	8.3	U	8.3	0.70	ug/Kg	☼	06/30/21 09:00	06/30/21 23:28	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
<i>Pentane, 2,3,4-trimethyl-</i>	13	T J N	ug/Kg	☼	6.34	565-75-3	06/30/21 09:00	06/30/21 23:28	1
<i>Pentane, 2,3,3-trimethyl-</i>	29	T J N	ug/Kg	☼	6.46	560-21-4	06/30/21 09:00	06/30/21 23:28	1
<i>Hexane, 2,2,5-trimethyl-</i>	15	T J N	ug/Kg	☼	6.76	3522-94-9	06/30/21 09:00	06/30/21 23:28	1
<i>Naphthalene, 1,3-dimethyl-</i>	8.1	T J N	ug/Kg	☼	10.36	575-41-7	06/30/21 09:00	06/30/21 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
<i>1,2-Dichloroethane-d4 (Surr)</i>	105		64 - 126	06/30/21 09:00	06/30/21 23:28	1
<i>4-Bromofluorobenzene (Surr)</i>	85		72 - 126	06/30/21 09:00	06/30/21 23:28	1
<i>Dibromofluoromethane (Surr)</i>	101		60 - 140	06/30/21 09:00	06/30/21 23:28	1
<i>Toluene-d8 (Surr)</i>	112		71 - 125	06/30/21 09:00	06/30/21 23:28	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1700	U	1700	290	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
1,4-Dioxane	990	U	990	540	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,3,4,6-Tetrachlorophenol	1700	U	1700	350	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4,5-Trichlorophenol	1700	U	1700	460	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4,6-Trichlorophenol	1700	U	1700	340	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4-Dichlorophenol	1700	U	1700	180	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4-Dimethylphenol	1700	U	1700	410	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4-Dinitrophenol	16000	U	16000	7800	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,4-Dinitrotoluene	1700	U	1700	350	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2,6-Dinitrotoluene	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2-Chloronaphthalene	1700	U	1700	280	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2-Chlorophenol	3300	U	3300	310	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2-Methylnaphthalene	820	J	1700	340	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2-Methylphenol	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	3300	U	3300	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
2-Nitrophenol	1700	U	1700	480	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
3,3'-Dichlorobenzidine	3300	U	3300	2000	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
3-Nitroaniline	3300	U	3300	470	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4,6-Dinitro-2-methylphenol	3300	U	3300	1700	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Bromophenyl phenyl ether	1700	U	1700	240	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Chloro-3-methylphenol	1700	U	1700	420	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Chloroaniline	1700	U	1700	420	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Chlorophenyl phenyl ether	1700	U	1700	210	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Methylphenol	3300	U	3300	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Nitroaniline	3300	U	3300	880	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
4-Nitrophenol	3300	U	3300	1200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Acenaphthene	1700	U	1700	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Acenaphthylene	320	J	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Acetophenone	1700	U	1700	230	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Anthracene	1700	U	1700	420	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Atrazine	1700	U	1700	580	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzaldehyde	1700	U	1700	1300	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzo[a]anthracene	680	J	1700	170	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzo[a]pyrene	910	J	1700	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzo[b]fluoranthene	2700		1700	270	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzo[g,h,i]perylene	1000	J	1700	180	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Benzo[k]fluoranthene	860	J	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Biphenyl	1700	U	1700	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
bis (2-chloroisopropyl) ether	1700	U	1700	340	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Bis(2-chloroethoxy)methane	1700	U	1700	360	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Bis(2-chloroethyl)ether	1700	U	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Bis(2-ethylhexyl) phthalate	1700	U	1700	570	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Butyl benzyl phthalate	1700	U	1700	280	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Caprolactam	1700	U	1700	510	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Carbazole	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Chrysene	1600	J	1700	380	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Dibenz(a,h)anthracene	300	J	1700	300	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Dibenzofuran	250	J	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Diethyl phthalate	1700	U	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Dimethyl phthalate	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Di-n-butyl phthalate	1700	U	1700	290	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Di-n-octyl phthalate	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Fluoranthene	1300	J	1700	180	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Fluorene	1700	U	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Hexachlorobenzene	1700	U	1700	230	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Hexachlorobutadiene	1700	U	1700	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Hexachlorocyclopentadiene	1700	U	1700	230	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Hexachloroethane	1700	U	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Indeno[1,2,3-cd]pyrene	1000	J	1700	210	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Isophorone	1700	U	1700	360	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Naphthalene	590	J	1700	220	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Nitrobenzene	1700	U	1700	190	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
N-Nitrosodi-n-propylamine	1700	U	1700	290	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	1700	U	1700	1400	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Pentachlorophenol	3300	U	3300	1700	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Phenanthrene	490	J	1700	250	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Phenol	1700	U	1700	260	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5
Pyrene	1300	J	1700	200	ug/Kg	☼	07/09/21 08:02	07/12/21 18:00	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Perylene	1400	T J N	ug/Kg	☼	14.22	198-55-0	07/09/21 08:02	07/12/21 18:00	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	48	TL	54 - 120	07/09/21 08:02	07/12/21 18:00	5
2-Fluorobiphenyl (Surr)	98		60 - 120	07/09/21 08:02	07/12/21 18:00	5
2-Fluorophenol (Surr)	73		52 - 120	07/09/21 08:02	07/12/21 18:00	5
Nitrobenzene-d5 (Surr)	78		53 - 120	07/09/21 08:02	07/12/21 18:00	5
Phenol-d5 (Surr)	78		54 - 120	07/09/21 08:02	07/12/21 18:00	5
p-Terphenyl-d14 (Surr)	117		79 - 130	07/09/21 08:02	07/12/21 18:00	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
4,4'-DDT	0.72	J	1.7	0.39	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Aldrin	1.7	U	1.7	0.41	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endrin	1.7	U	1.7	0.33	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endrin aldehyde	1.7	U	1.7	0.43	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Endrin ketone	1.7		1.7	0.41	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
gamma-BHC (Lindane)	1.7	U	1.7	0.31	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Methoxychlor	2.0		1.7	0.34	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
Toxaphene	17	U	17	9.7	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg	☼	07/08/21 14:45	07/09/21 11:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	131	TH	45 - 120	07/08/21 14:45	07/09/21 11:15	1
DCB Decachlorobiphenyl	282	TH	45 - 120	07/08/21 14:45	07/09/21 11:15	1
Tetrachloro-m-xylene	84		30 - 124	07/08/21 14:45	07/09/21 11:15	1
Tetrachloro-m-xylene	55		30 - 124	07/08/21 14:45	07/09/21 11:15	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.045	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	0.23	U	0.23	0.045	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	☼	07/07/21 08:00	07/11/21 16:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	07/07/21 08:00	07/11/21 16:25	1
Tetrachloro-m-xylene	106		60 - 154	07/07/21 08:00	07/11/21 16:25	1
DCB Decachlorobiphenyl	120		65 - 174	07/07/21 08:00	07/11/21 16:25	1
DCB Decachlorobiphenyl	112		65 - 174	07/07/21 08:00	07/11/21 16:25	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	17	U	17	11	ug/Kg	☼	07/08/21 08:17	07/13/21 01:23	1
Silvex (2,4,5-TP)	17	U	17	6.1	ug/Kg	☼	07/08/21 08:17	07/13/21 01:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	17	TL	28 - 129	07/08/21 08:17	07/13/21 01:23	1
2,4-Dichlorophenylacetic acid	18	TL	28 - 129	07/08/21 08:17	07/13/21 01:23	1

Method: 8151A - Herbicides (GC) - RE

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	17	U HT	17	11	ug/Kg	☼	07/15/21 06:45	07/19/21 16:22	1
Silvex (2,4,5-TP)	17	U HT	17	6.1	ug/Kg	☼	07/15/21 06:45	07/19/21 16:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	50		28 - 129	07/15/21 06:45	07/19/21 16:22	1
2,4-Dichlorophenylacetic acid	77		28 - 129	07/15/21 06:45	07/19/21 16:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5330		10.3	4.5	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Antimony	15.4	U	15.4	0.41	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Arsenic	7.1		2.1	0.41	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Barium	111	^	0.51	0.11	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Beryllium	0.48		0.21	0.029	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Cadmium	0.20	J	0.21	0.031	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Calcium	35000	B	51.5	3.4	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Chromium	10.5		0.51	0.21	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Cobalt	6.7		0.51	0.051	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Copper	11.6		1.0	0.22	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Iron	18000	B	10.3	3.6	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Lead	25.9		1.0	0.25	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Magnesium	12000	B	20.6	0.95	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Manganese	145	B	0.21	0.033	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Nickel	16.6		5.1	0.24	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Potassium	1230		30.9	20.6	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Selenium	1.3	J	4.1	0.41	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Silver	3.0		0.62	0.21	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Sodium	225		144	13.4	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	6.2	U	6.2	0.31	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Vanadium	13.1		0.51	0.11	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1
Zinc	39.0		2.1	0.66	mg/Kg	☼	07/06/21 10:45	07/08/21 00:52	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026		0.020	0.0046	mg/Kg	☼	07/07/21 14:28	07/07/21 15:55	1

Client Sample ID: B21-26 (6.0-8.0) (06282021)

Lab Sample ID: 480-186649-3

Date Collected: 06/28/21 15:30

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.4	U	3.4	0.25	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,1,2,2-Tetrachloroethane	3.4	U	3.4	0.55	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U	3.4	0.78	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,1,2-Trichloroethane	3.4	U	3.4	0.44	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,1-Dichloroethane	3.4	U	3.4	0.41	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,1-Dichloroethene	3.4	U	3.4	0.42	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2,4-Trichlorobenzene	3.4	U	3.4	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2-Dibromo-3-Chloropropane	3.4	U	3.4	1.7	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2-Dibromoethane	3.4	U	3.4	0.44	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2-Dichlorobenzene	3.4	U	3.4	0.27	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2-Dichloroethane	3.4	U	3.4	0.17	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,2-Dichloropropane	3.4	U	3.4	1.7	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,3-Dichlorobenzene	3.4	U	3.4	0.17	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
1,4-Dichlorobenzene	3.4	U	3.4	0.48	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
2-Butanone (MEK)	17	U	17	1.2	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
2-Hexanone	17	U	17	1.7	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
4-Methyl-2-pentanone (MIBK)	17	U	17	1.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Acetone	17	U	17	2.9	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Benzene	3.4	U	3.4	0.17	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Bromodichloromethane	3.4	U	3.4	0.46	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Bromoform	3.4	U	3.4	1.7	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Bromomethane	3.4	U	3.4	0.31	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Carbon disulfide	3.4	U	3.4	1.7	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Carbon tetrachloride	3.4	U	3.4	0.33	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Chlorobenzene	3.4	U	3.4	0.45	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Chloroethane	3.4	U	3.4	0.77	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Chloroform	3.4	U	3.4	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Chloromethane	3.4	U	3.4	0.21	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
cis-1,2-Dichloroethene	3.4	U	3.4	0.44	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
cis-1,3-Dichloropropene	3.4	U	3.4	0.49	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Cyclohexane	3.4	U	3.4	0.48	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Dibromochloromethane	3.4	U	3.4	0.44	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Dichlorodifluoromethane	3.4	U	3.4	0.28	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Ethylbenzene	3.4	U	3.4	0.23	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Isopropylbenzene	3.4	U	3.4	0.51	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Methyl acetate	17	U	17	2.1	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Client Sample ID: B21-26 (6.0-8.0) (06282021)

Lab Sample ID: 480-186649-3

Date Collected: 06/28/21 15:30

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 91.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	3.4	U	3.4	0.33	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Methylcyclohexane	3.4	U	3.4	0.52	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Methylene Chloride	5.5	B TH	3.4	1.6	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Styrene	3.4	U	3.4	0.17	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Tetrachloroethene	3.4	U	3.4	0.46	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Toluene	0.41	J B	3.4	0.26	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
trans-1,2-Dichloroethene	3.4	U	3.4	0.35	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
trans-1,3-Dichloropropene	3.4	U	3.4	1.5	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Trichloroethene	3.4	U	3.4	0.75	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Trichlorofluoromethane	3.4	U	3.4	0.32	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Vinyl chloride	3.4	U	3.4	0.41	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1
Xylenes, Total	6.8	U	6.8	0.57	ug/Kg	☼	06/30/21 09:00	06/30/21 23:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			06/30/21 09:00	06/30/21 23:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	97		64 - 126	06/30/21 09:00	06/30/21 23:52	1
4-Bromofluorobenzene (Surr)	88		72 - 126	06/30/21 09:00	06/30/21 23:52	1
Dibromofluoromethane (Surr)	96		60 - 140	06/30/21 09:00	06/30/21 23:52	1
Toluene-d8 (Surr)	107		71 - 125	06/30/21 09:00	06/30/21 23:52	1

Surrogate Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-186649-1	B21-18 (4.0-5.0) (06282021)	97	93	95	101
480-186649-2	B21-27 (0.0-1.0) (06282021)	105	85	101	112
480-186649-3	B21-26 (6.0-8.0) (06282021)	97	88	96	107
LCS 480-587686/1-A	Lab Control Sample	94	98	95	99
MB 480-587686/2-A	Method Blank	95	97	96	101

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-186649-2	B21-27 (0.0-1.0) (06282021)	48 TL	98	73	78	78	117
LCS 480-588496/2-A	Lab Control Sample	111	88	70	74	75	105
MB 480-588496/1-A	Method Blank	86	89	74	78	75	107

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-186649-2	B21-27 (0.0-1.0) (06282021)	131 TH	282 TH	84	55
LCS 480-588431/2-A	Lab Control Sample	95	80	65	55
MB 480-588431/1-A	Method Blank	80	76	55	54

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-186649-2	B21-27 (0.0-1.0) (06282021)	106	113	112	120
LCS 480-588212/2-A	Lab Control Sample	155 TH	152	155	163

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Surrogate Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
MB 480-588212/1-A	Method Blank	141	133	135	143

Surrogate Legend

TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-186649-2	B21-27 (0.0-1.0) (06282021)	17 TL	18 TL
480-186649-2 - RE	B21-27 (0.0-1.0) (06282021)	50	77
LCS 480-588364/2-A	Lab Control Sample	73	55
LCS 480-589113/2-A	Lab Control Sample	73	61
MB 480-588364/1-A	Method Blank	71	57
MB 480-589113/1-A	Method Blank	67	61

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-587686/2-A
Matrix: Solid
Analysis Batch: 587679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587686

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
2-Hexanone	25	U	25	2.5	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Acetone	25	U	25	4.2	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Benzene	5.0	U	5.0	0.25	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Methyl acetate	25	U	25	3.0	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Methylene Chloride	14.9		5.0	2.3	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Styrene	5.0	U	5.0	0.25	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Toluene	4.93	J	5.0	0.38	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		06/30/21 19:04	06/30/21 20:46	1
Xylenes, Total	10	U	10	0.84	ug/Kg		06/30/21 19:04	06/30/21 20:46	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-587686/2-A
Matrix: Solid
Analysis Batch: 587679

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 587686

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	7.12	T J	ug/Kg		2.24		06/30/21 19:04	06/30/21 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		64 - 126				06/30/21 19:04	06/30/21 20:46	1
4-Bromofluorobenzene (Surr)	97		72 - 126				06/30/21 19:04	06/30/21 20:46	1
Dibromofluoromethane (Surr)	96		60 - 140				06/30/21 19:04	06/30/21 20:46	1
Toluene-d8 (Surr)	101		71 - 125				06/30/21 19:04	06/30/21 20:46	1

Lab Sample ID: LCS 480-587686/1-A
Matrix: Solid
Analysis Batch: 587679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	50.0	50.7		ug/Kg		101	77 - 121
1,1,2,2-Tetrachloroethane	50.0	54.7		ug/Kg		109	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.4		ug/Kg		99	60 - 140
1,1,2-Trichloroethane	50.0	54.7		ug/Kg		109	78 - 122
1,1-Dichloroethane	50.0	48.7		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	49.8		ug/Kg		100	59 - 125
1,2,4-Trichlorobenzene	50.0	50.6		ug/Kg		101	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	54.9		ug/Kg		110	63 - 124
1,2-Dibromoethane	50.0	54.7		ug/Kg		109	78 - 120
1,2-Dichlorobenzene	50.0	51.7		ug/Kg		103	75 - 120
1,2-Dichloroethane	50.0	47.2		ug/Kg		94	77 - 122
1,2-Dichloropropane	50.0	51.2		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	51.9		ug/Kg		104	74 - 120
1,4-Dichlorobenzene	50.0	53.1		ug/Kg		106	73 - 120
2-Butanone (MEK)	250	253		ug/Kg		101	70 - 134
2-Hexanone	250	276		ug/Kg		110	59 - 130
4-Methyl-2-pentanone (MIBK)	250	258		ug/Kg		103	65 - 133
Acetone	250	235		ug/Kg		94	61 - 137
Benzene	50.0	51.1		ug/Kg		102	79 - 127
Bromodichloromethane	50.0	54.6		ug/Kg		109	80 - 122
Bromoform	50.0	55.8		ug/Kg		112	68 - 126
Bromomethane	50.0	59.0		ug/Kg		118	37 - 149
Carbon disulfide	50.0	46.5		ug/Kg		93	64 - 131
Carbon tetrachloride	50.0	53.1		ug/Kg		106	75 - 135
Chlorobenzene	50.0	52.9		ug/Kg		106	76 - 124
Chloroethane	50.0	65.5		ug/Kg		131	69 - 135
Chloroform	50.0	49.6		ug/Kg		99	80 - 120
Chloromethane	50.0	46.8		ug/Kg		94	63 - 127
cis-1,2-Dichloroethene	50.0	49.9		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	53.9		ug/Kg		108	80 - 120
Cyclohexane	50.0	45.5		ug/Kg		91	65 - 120
Dibromochloromethane	50.0	59.7		ug/Kg		119	76 - 125
Dichlorodifluoromethane	50.0	34.2		ug/Kg		68	57 - 142
Ethylbenzene	50.0	53.4		ug/Kg		107	80 - 120

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-587686/1-A
Matrix: Solid
Analysis Batch: 587679

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 587686

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	52.6		ug/Kg		105	72 - 120
Methyl acetate	100	94.0		ug/Kg		94	55 - 136
Methyl tert-butyl ether	50.0	49.1		ug/Kg		98	63 - 125
Methylcyclohexane	50.0	49.8		ug/Kg		100	60 - 140
Methylene Chloride	50.0	69.2	TH	ug/Kg		138	61 - 127
Styrene	50.0	53.1		ug/Kg		106	80 - 120
Tetrachloroethene	50.0	52.0		ug/Kg		104	74 - 122
Toluene	50.0	62.2		ug/Kg		124	74 - 128
trans-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	78 - 126
Trichloroethene	50.0	50.3		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	47.6		ug/Kg		95	65 - 146
Vinyl chloride	50.0	53.5		ug/Kg		107	61 - 133
Xylenes, Total	100	106		ug/Kg		106	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	94		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	95		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-588496/1-A
Matrix: Solid
Analysis Batch: 588694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588496

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
1,4-Dioxane	99	U	99	54	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4-Dinitrophenol	1600	U	1600	770	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Methylphenol	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
2-Nitrophenol	170	U	170	47	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
3-Nitroaniline	330	U	330	46	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Chloroaniline	170	U	170	41	ug/Kg		07/09/21 08:02	07/12/21 12:21	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588496/1-A
Matrix: Solid
Analysis Batch: 588694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588496

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Methylphenol	330	U	330	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Nitroaniline	330	U	330	88	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Acenaphthene	170	U	170	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Acenaphthylene	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Acetophenone	170	U	170	23	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Anthracene	170	U	170	41	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Atrazine	170	U	170	58	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzaldehyde	170	U	170	130	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Biphenyl	170	U	170	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Caprolactam	170	U	170	50	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Carbazole	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Chrysene	170	U	170	38	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Dibenzofuran	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Fluoranthene	170	U	170	18	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Fluorene	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Hexachloroethane	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Isophorone	170	U	170	36	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Naphthalene	170	U	170	22	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Nitrobenzene	170	U	170	19	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Phenanthrene	170	U	170	25	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Phenol	170	U	170	26	ug/Kg		07/09/21 08:02	07/12/21 12:21	1
Pyrene	170	U	170	20	ug/Kg		07/09/21 08:02	07/12/21 12:21	1

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588496/1-A
Matrix: Solid
Analysis Batch: 588694

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588496

<i>Tentatively Identified Compound</i>	<i>MB MB</i>		<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Est. Result</i>	<i>Qualifier</i>							
<i>Unknown</i>	274	T J	ug/Kg		13.06		07/09/21 08:02	07/12/21 12:21	1

<i>Surrogate</i>	<i>MB MB</i>		<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
<i>2,4,6-Tribromophenol (Surr)</i>	86		54 - 120	07/09/21 08:02	07/12/21 12:21	1
<i>2-Fluorobiphenyl (Surr)</i>	89		60 - 120	07/09/21 08:02	07/12/21 12:21	1
<i>2-Fluorophenol (Surr)</i>	74		52 - 120	07/09/21 08:02	07/12/21 12:21	1
<i>Nitrobenzene-d5 (Surr)</i>	78		53 - 120	07/09/21 08:02	07/12/21 12:21	1
<i>Phenol-d5 (Surr)</i>	75		54 - 120	07/09/21 08:02	07/12/21 12:21	1
<i>p-Terphenyl-d14 (Surr)</i>	107		79 - 130	07/09/21 08:02	07/12/21 12:21	1

Lab Sample ID: LCS 480-588496/2-A
Matrix: Solid
Analysis Batch: 588694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588496

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,2,4,5-Tetrachlorobenzene	1660	1470		ug/Kg		88	59 - 125
1,4-Dioxane	1660	771		ug/Kg		46	23 - 120
2,3,4,6-Tetrachlorophenol	1660	1730		ug/Kg		104	64 - 120
2,4,5-Trichlorophenol	1660	1640		ug/Kg		99	59 - 126
2,4,6-Trichlorophenol	1660	1590		ug/Kg		96	59 - 123
2,4-Dichlorophenol	1660	1450		ug/Kg		87	61 - 120
2,4-Dimethylphenol	1660	1310		ug/Kg		79	59 - 120
2,4-Dinitrophenol	3320	3670		ug/Kg		111	41 - 146
2,4-Dinitrotoluene	1660	1630		ug/Kg		98	63 - 120
2,6-Dinitrotoluene	1660	1590		ug/Kg		96	66 - 120
2-Chloronaphthalene	1660	1430		ug/Kg		86	57 - 120
2-Chlorophenol	1660	1240		ug/Kg		75	53 - 120
2-Methylnaphthalene	1660	1340		ug/Kg		81	59 - 120
2-Methylphenol	1660	1310		ug/Kg		79	54 - 120
2-Nitroaniline	1660	1390		ug/Kg		84	61 - 120
2-Nitrophenol	1660	1410		ug/Kg		85	56 - 120
3,3'-Dichlorobenzidine	3320	3170		ug/Kg		95	54 - 120
3-Nitroaniline	1660	1410		ug/Kg		85	48 - 120
4,6-Dinitro-2-methylphenol	3320	4010		ug/Kg		121	49 - 122
4-Bromophenyl phenyl ether	1660	1700		ug/Kg		102	58 - 120
4-Chloro-3-methylphenol	1660	1520		ug/Kg		92	61 - 120
4-Chloroaniline	1660	1280		ug/Kg		77	38 - 120
4-Chlorophenyl phenyl ether	1660	1590		ug/Kg		96	63 - 124
4-Methylphenol	1660	1370		ug/Kg		83	55 - 120
4-Nitroaniline	1660	1490		ug/Kg		90	56 - 120
4-Nitrophenol	3320	2860		ug/Kg		86	43 - 147
Acenaphthene	1660	1480		ug/Kg		89	62 - 120
Acenaphthylene	1660	1510		ug/Kg		91	58 - 121
Acetophenone	1660	1240		ug/Kg		75	54 - 120
Anthracene	1660	1670		ug/Kg		100	62 - 120
Atrazine	3320	3200		ug/Kg		96	60 - 127
Benzaldehyde	3320	2210		ug/Kg		66	10 - 150
Benzo[a]anthracene	1660	1770		ug/Kg		106	65 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-588496/2-A
Matrix: Solid
Analysis Batch: 588694

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588496

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1660	1610		ug/Kg		97	64 - 120
Benzo[b]fluoranthene	1660	1650		ug/Kg		99	64 - 120
Benzo[g,h,i]perylene	1660	1690		ug/Kg		102	45 - 145
Benzo[k]fluoranthene	1660	1790		ug/Kg		108	65 - 120
Biphenyl	1660	1440		ug/Kg		87	59 - 120
bis (2-chloroisopropyl) ether	1660	974		ug/Kg		59	44 - 120
Bis(2-chloroethoxy)methane	1660	1300		ug/Kg		78	55 - 120
Bis(2-chloroethyl)ether	1660	1170		ug/Kg		70	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1650		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1660	1680		ug/Kg		101	61 - 129
Caprolactam	3320	2910		ug/Kg		88	47 - 120
Carbazole	1660	1650		ug/Kg		99	65 - 120
Chrysene	1660	1770		ug/Kg		107	64 - 120
Dibenz(a,h)anthracene	1660	1770		ug/Kg		106	54 - 132
Dibenzofuran	1660	1500		ug/Kg		90	63 - 120
Diethyl phthalate	1660	1560		ug/Kg		94	66 - 120
Dimethyl phthalate	1660	1560		ug/Kg		94	65 - 124
Di-n-butyl phthalate	1660	1590		ug/Kg		96	58 - 130
Di-n-octyl phthalate	1660	1610		ug/Kg		97	57 - 133
Fluoranthene	1660	1620		ug/Kg		97	62 - 120
Fluorene	1660	1540		ug/Kg		93	63 - 120
Hexachlorobenzene	1660	1720		ug/Kg		104	60 - 120
Hexachlorobutadiene	1660	1400		ug/Kg		84	45 - 120
Hexachlorocyclopentadiene	1660	1370		ug/Kg		83	47 - 120
Hexachloroethane	1660	1150		ug/Kg		69	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1680		ug/Kg		101	56 - 134
Isophorone	1660	1330		ug/Kg		80	56 - 120
Naphthalene	1660	1300		ug/Kg		78	55 - 120
Nitrobenzene	1660	1230		ug/Kg		74	54 - 120
N-Nitrosodi-n-propylamine	1660	1200		ug/Kg		73	52 - 120
N-Nitrosodiphenylamine	1660	1590		ug/Kg		96	51 - 128
Pentachlorophenol	3320	3240		ug/Kg		98	51 - 120
Phenanthrene	1660	1670		ug/Kg		101	60 - 120
Phenol	1660	1190		ug/Kg		72	53 - 120
Pyrene	1660	1690		ug/Kg		102	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	111		54 - 120
2-Fluorobiphenyl (Surr)	88		60 - 120
2-Fluorophenol (Surr)	70		52 - 120
Nitrobenzene-d5 (Surr)	74		53 - 120
Phenol-d5 (Surr)	75		54 - 120
p-Terphenyl-d14 (Surr)	105		79 - 130

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-588431/1-A
Matrix: Solid
Analysis Batch: 588487

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588431

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.6	U	1.6	0.31	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
4,4'-DDE	1.6	U	1.6	0.34	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
alpha-BHC	1.6	U	1.6	0.29	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
beta-BHC	1.6	U	1.6	0.29	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
cis-Chlordane	1.6	U	1.6	0.80	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
delta-BHC	1.6	U	1.6	0.30	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endosulfan I	1.6	U	1.6	0.31	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endosulfan II	1.6	U	1.6	0.29	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endosulfan sulfate	1.6	U	1.6	0.30	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endrin	1.6	U	1.6	0.32	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endrin aldehyde	1.6	U	1.6	0.41	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Endrin ketone	1.6	U	1.6	0.40	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
gamma-BHC (Lindane)	1.6	U	1.6	0.30	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Heptachlor	1.6	U	1.6	0.35	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Methoxychlor	1.6	U	1.6	0.33	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
Toxaphene	16	U	16	9.4	ug/Kg		07/08/21 14:45	07/09/21 09:37	1
trans-Chlordane	1.6	U	1.6	0.51	ug/Kg		07/08/21 14:45	07/09/21 09:37	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	80		45 - 120	07/08/21 14:45	07/09/21 09:37	1
DCB Decachlorobiphenyl	76		45 - 120	07/08/21 14:45	07/09/21 09:37	1
Tetrachloro-m-xylene	55		30 - 124	07/08/21 14:45	07/09/21 09:37	1
Tetrachloro-m-xylene	54		30 - 124	07/08/21 14:45	07/09/21 09:37	1

Lab Sample ID: LCS 480-588431/2-A
Matrix: Solid
Analysis Batch: 588487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588431

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.5	14.6		ug/Kg		88	56 - 120
4,4'-DDE	16.5	12.9		ug/Kg		78	44 - 120
4,4'-DDT	16.5	13.7		ug/Kg		83	38 - 120
Aldrin	16.5	9.30		ug/Kg		56	38 - 120
alpha-BHC	16.5	9.05		ug/Kg		55	39 - 120
beta-BHC	16.5	9.51		ug/Kg		58	40 - 120
cis-Chlordane	16.5	11.5		ug/Kg		70	47 - 120
delta-BHC	16.5	9.95		ug/Kg		60	45 - 120
Dieldrin	16.5	13.6		ug/Kg		82	58 - 120
Endosulfan I	16.5	10.8		ug/Kg		65	49 - 120
Endosulfan II	16.5	12.2		ug/Kg		74	55 - 120
Endosulfan sulfate	16.5	12.6		ug/Kg		76	49 - 124
Endrin	16.5	13.8		ug/Kg		83	58 - 120
Endrin aldehyde	16.5	10.2		ug/Kg		61	37 - 121
Endrin ketone	16.5	12.6		ug/Kg		76	46 - 123

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-588431/2-A
Matrix: Solid
Analysis Batch: 588487

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588431

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.5	9.49		ug/Kg		57	50 - 120
Heptachlor	16.5	10.0		ug/Kg		61	50 - 120
Heptachlor epoxide	16.5	11.0		ug/Kg		66	50 - 120
Methoxychlor	16.5	17.3		ug/Kg		105	58 - 133
trans-Chlordane	16.5	11.4		ug/Kg		69	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	95		45 - 120
DCB Decachlorobiphenyl	80		45 - 120
Tetrachloro-m-xylene	65		30 - 124
Tetrachloro-m-xylene	55		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-588212/1-A
Matrix: Solid
Analysis Batch: 588435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588212

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.046	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1221	0.24	U	0.24	0.046	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1232	0.24	U	0.24	0.046	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1242	0.24	U	0.24	0.046	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1248	0.24	U	0.24	0.046	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg		07/07/21 08:00	07/08/21 16:21	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg		07/07/21 08:00	07/08/21 16:21	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		60 - 154	07/07/21 08:00	07/08/21 16:21	1
Tetrachloro-m-xylene	141		60 - 154	07/07/21 08:00	07/08/21 16:21	1
DCB Decachlorobiphenyl	143		65 - 174	07/07/21 08:00	07/08/21 16:21	1
DCB Decachlorobiphenyl	135		65 - 174	07/07/21 08:00	07/08/21 16:21	1

Lab Sample ID: LCS 480-588212/2-A
Matrix: Solid
Analysis Batch: 588435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588212

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.80	2.61		mg/Kg		145	51 - 185
PCB-1260	1.80	2.66		mg/Kg		148	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	152		60 - 154
Tetrachloro-m-xylene	155	TH	60 - 154
DCB Decachlorobiphenyl	163		65 - 174
DCB Decachlorobiphenyl	155		65 - 174

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-588364/1-A
Matrix: Solid
Analysis Batch: 588671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588364

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		07/08/21 08:17	07/12/21 17:27	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		07/08/21 08:17	07/12/21 17:27	1
Surrogate		MB MB	Limits			D	Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier					
2,4-Dichlorophenylacetic acid		71	28 - 129				07/08/21 08:17	07/12/21 17:27	1
2,4-Dichlorophenylacetic acid		57	28 - 129				07/08/21 08:17	07/12/21 17:27	1

Lab Sample ID: LCS 480-588364/2-A
Matrix: Solid
Analysis Batch: 588671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588364

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
								2,4-D	66.5
Silvex (2,4,5-TP)	66.5	44.5		ug/Kg		67	39 - 125		
Surrogate		LCS LCS	Limits			D	Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier					
2,4-Dichlorophenylacetic acid		73	28 - 129				07/08/21 08:17	07/12/21 17:27	1
2,4-Dichlorophenylacetic acid		55	28 - 129				07/08/21 08:17	07/12/21 17:27	1

Lab Sample ID: MB 480-589113/1-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589113

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		07/15/21 06:45	07/19/21 09:25	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		07/15/21 06:45	07/19/21 09:25	1
Surrogate		MB MB	Limits			D	Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier					
2,4-Dichlorophenylacetic acid		67	28 - 129				07/15/21 06:45	07/19/21 09:25	1
2,4-Dichlorophenylacetic acid		61	28 - 129				07/15/21 06:45	07/19/21 09:25	1

Lab Sample ID: LCS 480-589113/2-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
								2,4-D	66.1
Silvex (2,4,5-TP)	66.1	56.8		ug/Kg		86	39 - 125		
Surrogate		LCS LCS	Limits			D	Prepared	Analyzed	Dil Fac
		%Recovery		Qualifier					
2,4-Dichlorophenylacetic acid		73	28 - 129				07/08/21 08:17	07/12/21 17:27	1
2,4-Dichlorophenylacetic acid		61	28 - 129				07/08/21 08:17	07/12/21 17:27	1

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-588098/1-A
Matrix: Solid
Analysis Batch: 588391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588098

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	10.2	U	10.2	4.5	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Antimony	15.3	U	15.3	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Arsenic	2.0	U	2.0	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Barium	0.51	U ^	0.51	0.11	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Cadmium	0.20	U	0.20	0.031	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Calcium	10.74	J	50.9	3.4	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Chromium	0.51	U	0.51	0.20	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Cobalt	0.51	U	0.51	0.051	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Copper	1.0	U	1.0	0.21	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Iron	4.72	J	10.2	3.6	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Lead	1.0	U	1.0	0.24	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Magnesium	2.06	J	20.4	0.94	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Manganese	0.0641	J	0.20	0.033	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Nickel	5.1	U	5.1	0.23	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Potassium	30.5	U	30.5	20.4	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Selenium	4.1	U	4.1	0.41	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Silver	0.61	U	0.61	0.20	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Sodium	142	U	142	13.2	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Thallium	6.1	U	6.1	0.31	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Vanadium	0.51	U	0.51	0.11	mg/Kg		07/06/21 10:45	07/07/21 22:56	1
Zinc	2.0	U	2.0	0.65	mg/Kg		07/06/21 10:45	07/07/21 22:56	1

Lab Sample ID: LCSSRM 480-588098/2-A
Matrix: Solid
Analysis Batch: 588391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588098

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	8190	8795		mg/Kg		107.4	50.1 - 150.2	
Antimony	110	92.26		mg/Kg		83.9	22.2 - 254.5	
Arsenic	162	138.3		mg/Kg		85.4	70.4 - 130.2	
Barium	138	125.0 ^		mg/Kg		90.6	74.6 - 124.6	
Beryllium	157	150.8		mg/Kg		96.1	75.2 - 125.5	
Cadmium	135	128.2		mg/Kg		94.9	74.8 - 124.4	
Calcium	4790	4433		mg/Kg		92.5	72.7 - 127.3	
Chromium	117	105.6		mg/Kg		90.2	70.1 - 129.9	
Cobalt	92.6	98.31		mg/Kg		106.2	75.1 - 125.3	
Copper	143	120.5		mg/Kg		84.3	74.8 - 124.5	
Iron	15100	12260		mg/Kg		81.2	37.2 - 162.9	
Lead	77.6	74.50		mg/Kg		96.0	68.8 - 131.4	

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
 SDG: 480-186649-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-588098/2-A
Matrix: Solid
Analysis Batch: 588391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588098

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	2320	2137		mg/Kg		92.1	62.1 - 137.9
Manganese	319	313.6		mg/Kg		98.3	74.9 - 125.1
Nickel	79.9	85.68		mg/Kg		107.2	70.0 - 130.2
Potassium	2050	2024		mg/Kg		98.7	59.5 - 141.0
Selenium	172	155.4		mg/Kg		90.4	68.0 - 132.6
Silver	24.7	20.23		mg/Kg		81.9	67.2 - 133.2
Sodium	137	148.9		mg/Kg		108.7	35.8 - 164.2
Thallium	88.0	95.36		mg/Kg		108.4	66.0 - 134.1
Vanadium	99.9	88.75		mg/Kg		88.8	67.4 - 132.1
Zinc	312	281.2		mg/Kg		90.1	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-588193/1-A
Matrix: Solid
Analysis Batch: 588328

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588193

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0041	mg/Kg		07/07/21 14:28	07/07/21 15:44	1

Lab Sample ID: LCSSRM 480-588193/2-A ^10
Matrix: Solid
Analysis Batch: 588328

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588193

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	23.66		mg/Kg		87.0	59.9 - 140.1

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

GC/MS VOA

Analysis Batch: 587679

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-1	B21-18 (4.0-5.0) (06282021)	Total/NA	Solid	8260C	587686
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8260C	587686
480-186649-3	B21-26 (6.0-8.0) (06282021)	Total/NA	Solid	8260C	587686
MB 480-587686/2-A	Method Blank	Total/NA	Solid	8260C	587686
LCS 480-587686/1-A	Lab Control Sample	Total/NA	Solid	8260C	587686

Prep Batch: 587686

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-1	B21-18 (4.0-5.0) (06282021)	Total/NA	Solid	5035A_L	
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	5035A_L	
480-186649-3	B21-26 (6.0-8.0) (06282021)	Total/NA	Solid	5035A_L	
MB 480-587686/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-587686/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 588496

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	3550C	
MB 480-588496/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588496/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 588694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8270D	588496
MB 480-588496/1-A	Method Blank	Total/NA	Solid	8270D	588496
LCS 480-588496/2-A	Lab Control Sample	Total/NA	Solid	8270D	588496

GC Semi VOA

Prep Batch: 588212

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	3550C	
MB 480-588212/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588212/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 588364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8151A	
MB 480-588364/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-588364/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 588431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	3550C	
MB 480-588431/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588431/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 588435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-588212/1-A	Method Blank	Total/NA	Solid	8082A	588212
LCS 480-588212/2-A	Lab Control Sample	Total/NA	Solid	8082A	588212

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

GC Semi VOA

Analysis Batch: 588487

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8081B	588431
MB 480-588431/1-A	Method Blank	Total/NA	Solid	8081B	588431
LCS 480-588431/2-A	Lab Control Sample	Total/NA	Solid	8081B	588431

Analysis Batch: 588651

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8082A	588212

Analysis Batch: 588671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8151A	588364
MB 480-588364/1-A	Method Blank	Total/NA	Solid	8151A	588364
LCS 480-588364/2-A	Lab Control Sample	Total/NA	Solid	8151A	588364

Prep Batch: 589113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2 - RE	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8151A	
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 589497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2 - RE	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	8151A	589113
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	589113
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	589113

Metals

Prep Batch: 588098

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	3050B	
MB 480-588098/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-588098/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 588193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	7471B	
MB 480-588193/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-588193/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 588328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	7471B	588193
MB 480-588193/1-A	Method Blank	Total/NA	Solid	7471B	588193
LCSSRM 480-588193/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	588193

Analysis Batch: 588391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	6010C	588098
MB 480-588098/1-A	Method Blank	Total/NA	Solid	6010C	588098
LCSSRM 480-588098/2-A	Lab Control Sample	Total/NA	Solid	6010C	588098

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

General Chemistry

Analysis Batch: 587670

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186649-1	B21-18 (4.0-5.0) (06282021)	Total/NA	Solid	Moisture	
480-186649-2	B21-27 (0.0-1.0) (06282021)	Total/NA	Solid	Moisture	
480-186649-3	B21-26 (6.0-8.0) (06282021)	Total/NA	Solid	Moisture	

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Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-18 (4.0-5.0) (06282021)

Lab Sample ID: 480-186649-1

Date Collected: 06/28/21 13:00

Matrix: Solid

Date Received: 06/30/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587670	06/30/21 16:07	WJD	TAL BUF

Client Sample ID: B21-18 (4.0-5.0) (06282021)

Lab Sample ID: 480-186649-1

Date Collected: 06/28/21 13:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			587686	06/30/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587679	06/30/21 23:03	CDC	TAL BUF

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587670	06/30/21 16:07	WJD	TAL BUF

Client Sample ID: B21-27 (0.0-1.0) (06282021)

Lab Sample ID: 480-186649-2

Date Collected: 06/28/21 14:00

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 98.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			587686	06/30/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587679	06/30/21 23:28	CDC	TAL BUF
Total/NA	Prep	3550C			588496	07/09/21 08:02	VXF	TAL BUF
Total/NA	Analysis	8270D		5	588694	07/12/21 18:00	JMM	TAL BUF
Total/NA	Prep	3550C			588431	07/08/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8081B		1	588487	07/09/21 11:15	JLS	TAL BUF
Total/NA	Prep	3550C			588212	07/07/21 08:00	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588651	07/11/21 16:25	W1T	TAL BUF
Total/NA	Prep	8151A			588364	07/08/21 08:17	VXF	TAL BUF
Total/NA	Analysis	8151A		1	588671	07/13/21 01:23	JLS	TAL BUF
Total/NA	Prep	8151A	RE		589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A	RE	1	589497	07/19/21 16:22	JLS	TAL BUF
Total/NA	Prep	3050B			588098	07/06/21 10:45	KMP	TAL BUF
Total/NA	Analysis	6010C		1	588391	07/08/21 00:52	AMH	TAL BUF
Total/NA	Prep	7471B			588193	07/07/21 14:28	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588328	07/07/21 15:55	BMB	TAL BUF

Client Sample ID: B21-26 (6.0-8.0) (06282021)

Lab Sample ID: 480-186649-3

Date Collected: 06/28/21 15:30

Matrix: Solid

Date Received: 06/30/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	587670	06/30/21 16:07	WJD	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Client Sample ID: B21-26 (6.0-8.0) (06282021)

Lab Sample ID: 480-186649-3

Date Collected: 06/28/21 15:30

Matrix: Solid

Date Received: 06/30/21 08:00

Percent Solids: 91.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			587686	06/30/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	587679	06/30/21 23:52	CDC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

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Accreditation/Certification Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186649-1
SDG: 480-186649-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186649-1	B21-18 (4.0-5.0) (06282021)	Solid	06/28/21 13:00	06/30/21 08:00	
480-186649-2	B21-27 (0.0-1.0) (06282021)	Solid	06/28/21 14:00	06/30/21 08:00	
480-186649-3	B21-26 (6.0-8.0) (06282021)	Solid	06/28/21 15:30	06/30/21 08:00	

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Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-186649-1

SDG Number: 480-186649-1

Login Number: 186649

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	freeze time: 0900 6/30
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186910-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Attn: Mr. Robert Sents



*Authorized for release by:
7/22/2021 1:57:45 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)

Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Job ID: 480-186910-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-186910-1

Comments

No additional comments.

Receipt

The samples were received on 7/8/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-588468 and analytical batch 480-588473 recovered outside control limits for the following analyte: Dichlorodifluoromethane. Dichlorodifluoromethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The following samples are impacted: B-21-23 (1-2) (07062021) (480-186910-1), B-21-24 (9-10) (07062021) (480-186910-2), B-21-14 (10-11) (07062021) (480-186910-4), B-21-10 (7-8) (07072021) (480-186910-7), B-21-21 (8-9) (07072021) (480-186910-8), B-21-20 (8-9) (07072021) (480-186910-9), B-21-22 (8-9) (07072021) (480-186910-11) and B-21-7 (6-7) (07072021) (480-186910-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) associated with preparation batch 480-588917 and analytical batch 480-589324 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-589324 recovered above the upper control limit for 1,2,4,5-Tetrachlorobenzene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Benzo[g,h,i]perylene, Hexachlorobutadiene, Hexachlorocyclopentadiene and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-24 (4-5) (07062021) (480-186910-3), B-21-14 (1-2) (07062021) (480-186910-5) and B-21-22 (4-5) (07072021) (480-186910-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8151A: The continuing calibration verification (CCV) associated with batch 480-589497 recovered above the upper control limit for Silvex (2,4,5-TP) and 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-24 (4-5) (07062021) (480-186910-3), B-21-14 (1-2) (07062021) (480-186910-5) and B-21-22 (4-5) (07072021) (480-186910-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-24 (4-5) (07062021) (480-186910-3), B-21-14 (1-2) (07062021) (480-186910-5), B-21-22 (4-5) (07072021) (480-186910-10), (LCSSRM 480-588541/2-A), (MB 480-588541/1-A), (480-186910-C-10-B MS), (480-186910-C-10-C MSD), (480-186910-C-10-A PDS) and (480-186910-C-10-A SD ^5)

Method 6010C: The Serial Dilution (480-186910-C-10-A SD ^5) in batch 480-588829, exhibited results outside the quality control limits for Total Barium, Chromium, and Zinc. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method 6010C: The recovery of Post Spike, (480-186910-C-10-A PDS), in batch 480-588829 exhibited results outside the quality control limits for Total Magnesium. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Job ID: 480-186910-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The Serial Dilution and Post Spike (480-186910-C-10-A PDS) and (480-186910-C-10-A SD ^5) exceeded the quality control limits for Total Aluminum, Iron, and Manganese. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-24 (4-5) (07062021) (480-186910-3), B-21-14 (1-2) (07062021) (480-186910-5), B-21-22 (4-5) (07072021) (480-186910-10), (480-186910-C-10-B MS ^5), (480-186910-C-10-C MSD ^5), (480-186910-C-10-A PDS ^5) and (480-186910-C-10-A SD ^25). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method SHAKE: A deviation from the Standard Operating Procedure (SOP) occurred. Details are as follows: Sample was received in a non-standard container. The sample was received with a Teflon lined lid. Extraction proceeded as normal per SOP.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.



Detection Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-23 (1-2) (07062021)

Lab Sample ID: 480-186910-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	2.6	J	4.8	0.23	ug/Kg	1	✳	8260C	Total/NA
Carbon disulfide	3.0	J	4.8	2.4	ug/Kg	1	✳	8260C	Total/NA
Cyclohexane	0.68	J	4.8	0.67	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	1.2	J	4.8	0.73	ug/Kg	1	✳	8260C	Total/NA
Toluene	2.5	J	4.8	0.36	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-24 (9-10) (07062021)

Lab Sample ID: 480-186910-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.32	J	4.7	0.23	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.71	J	4.7	0.35	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin ketone	0.71	J	2.0	0.50	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.56	J B	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Heptachlor	1.0	J	2.0	0.44	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	0.86	J	2.0	0.65	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6870		12.5	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.4		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	19.9	^	0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.43		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.046	J	0.25	0.038	mg/Kg	1	✳	6010C	Total/NA
Calcium	203000	B	314	20.7	mg/Kg	5	✳	6010C	Total/NA
Chromium	7.4		0.63	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.8		0.63	0.063	mg/Kg	1	✳	6010C	Total/NA
Copper	10.9		6.3	1.3	mg/Kg	5	✳	6010C	Total/NA
Iron	11600		12.5	4.4	mg/Kg	1	✳	6010C	Total/NA
Lead	17.7		1.3	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	20600		25.1	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	300		0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.3		6.3	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	3230		37.6	25.1	mg/Kg	1	✳	6010C	Total/NA
Sodium	152	J	176	16.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.4		0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.7		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.019	J	0.027	0.0063	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

No Detections.

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.67	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	0.76	J	2.0	0.63	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9670		11.6	5.1	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.7		2.3	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	31.6	^	0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.53		0.23	0.033	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.11	J	0.23	0.035	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (1-2) (07062021) (Continued)

Lab Sample ID: 480-186910-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	147000	B	291	19.2	mg/Kg	5	✳	6010C	Total/NA
Chromium	10.0		0.58	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.7		0.58	0.058	mg/Kg	1	✳	6010C	Total/NA
Copper	11.5		5.8	1.2	mg/Kg	5	✳	6010C	Total/NA
Iron	12200		11.6	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	22.9		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	18900		23.3	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	307		0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.4		5.8	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3660		34.9	23.3	mg/Kg	1	✳	6010C	Total/NA
Silver	0.35	J	0.70	0.23	mg/Kg	1	✳	6010C	Total/NA
Sodium	128	J	163	15.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	12.3		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	27.2		2.3	0.75	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.010	J	0.025	0.0057	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-10 (2-3) (07072021)

Lab Sample ID: 480-186910-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.66		0.62	0.20	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	31000		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-10 (7-8) (07072021)

Lab Sample ID: 480-186910-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.60	J	5.1	0.38	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-21 (8-9) (07072021)

Lab Sample ID: 480-186910-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.35	J	4.8	0.23	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.77	J	4.8	0.36	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-20 (8-9) (07072021)

Lab Sample ID: 480-186910-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.2	J	24	4.1	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.27	J	4.9	0.24	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.74	J	4.9	0.37	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endosulfan sulfate	0.40	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.59	J B	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6820	TH	11.6	5.1	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.0		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	17.3	^ TH	0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.42		0.23	0.033	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.063	J	0.23	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	196000	B TL	290	19.2	mg/Kg	5	✳	6010C	Total/NA
Chromium	7.3		0.58	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.6		0.58	0.058	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (4-5) (07072021) (Continued)

Lab Sample ID: 480-186910-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	9.3		5.8	1.2	mg/Kg	5	✳	6010C	Total/NA
Iron	11700		11.6	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	30.1		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	15800		23.2	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	355	TL	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	14.7		5.8	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	2980	TH	34.8	23.2	mg/Kg	1	✳	6010C	Total/NA
Silver	0.35	J	0.70	0.23	mg/Kg	1	✳	6010C	Total/NA
Sodium	129	J	163	15.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.4		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	30.8		2.3	0.74	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0057	J	0.023	0.0053	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

No Detections.

Client Sample ID: B-21-7 (6-7) (07072021)

Lab Sample ID: 480-186910-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.22	J	4.6	0.22	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.38	J	4.6	0.34	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-23 (1-2) (07062021)

Lab Sample ID: 480-186910-1

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.78	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,1-Dichloroethene	4.8	U	4.8	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2-Dibromoethane	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Benzene	2.6	J	4.8	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Bromomethane	4.8	U	4.8	0.43	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Carbon disulfide	3.0	J	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Chloroform	4.8	U	4.8	0.30	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Cyclohexane	0.68	J	4.8	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Dichlorodifluoromethane	4.8	U TL	4.8	0.40	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Methylcyclohexane	1.2	J	4.8	0.73	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Toluene	2.5	J	4.8	0.36	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Trichloroethene	4.8	U	4.8	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Vinyl chloride	4.8	U	4.8	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1
Xylenes, Total	9.6	U	9.6	0.80	ug/Kg	☼	07/08/21 09:00	07/08/21 21:26	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-23 (1-2) (07062021)

Lab Sample ID: 480-186910-1

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 95.9

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1-Pentene	5.7	T J N	ug/Kg	☼	3.68	109-67-1	07/08/21 09:00	07/08/21 21:26	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	109		64 - 126				07/08/21 09:00	07/08/21 21:26	1
4-Bromofluorobenzene (Surr)	91		72 - 126				07/08/21 09:00	07/08/21 21:26	1
Dibromofluoromethane (Surr)	102		60 - 140				07/08/21 09:00	07/08/21 21:26	1
Toluene-d8 (Surr)	101		71 - 125				07/08/21 09:00	07/08/21 21:26	1

Client Sample ID: B-21-24 (9-10) (07062021)

Lab Sample ID: 480-186910-2

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 87.7

Method: 8260C - Volatile Organic Compounds by GC/MS

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2-Dichloroethane	4.7	U	4.7	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Acetone	23	U	23	3.9	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Benzene	0.32	J	4.7	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Dichlorodifluoromethane	4.7	U TL	4.7	0.39	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-24 (9-10) (07062021)

Lab Sample ID: 480-186910-2

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 87.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.7	U	4.7	0.71	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Toluene	0.71	J	4.7	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Vinyl chloride	4.7	U	4.7	0.57	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	07/08/21 09:00	07/08/21 21:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Pentene	7.5	T J N	ug/Kg	☼	3.68	109-67-1	07/08/21 09:00	07/08/21 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/08/21 09:00	07/08/21 21:50	1
4-Bromofluorobenzene (Surr)	86		72 - 126	07/08/21 09:00	07/08/21 21:50	1
Dibromofluoromethane (Surr)	102		60 - 140	07/08/21 09:00	07/08/21 21:50	1
Toluene-d8 (Surr)	103		71 - 125	07/08/21 09:00	07/08/21 21:50	1

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
1,4-Dioxane	120	U	120	67	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,3,4,6-Tetrachlorophenol	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4-Dimethylphenol	210	U	210	50	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,4-Dinitrotoluene	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Chloronaphthalene	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Chlorophenol	400	U	400	38	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Methylphenol	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
2-Nitrophenol	210	U	210	58	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
3-Nitroaniline	400	U	400	57	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Chloroaniline	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Chlorophenyl phenyl ether	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Acenaphthene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Acetophenone	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Anthracene	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Atrazine	210	U	210	71	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzaldehyde	210	U	210	160	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Biphenyl	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Bis(2-ethylhexyl) phthalate	210	U	210	70	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Caprolactam	210	U	210	62	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Carbazole	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Chrysene	210	U	210	46	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Fluorene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Indeno[1,2,3-cd]pyrene	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Isophorone	210	U	210	44	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Phenanthrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Phenol	210	U	210	31	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1
Pyrene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1200	T J	ug/Kg	☼	1.86		07/13/21 14:52	07/16/21 22:30	1
Unknown	340	T J	ug/Kg	☼	3.27		07/13/21 14:52	07/16/21 22:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/13/21 14:52	07/16/21 22:30	1
2-Fluorobiphenyl (Surr)	90		60 - 120	07/13/21 14:52	07/16/21 22:30	1
2-Fluorophenol (Surr)	77		52 - 120	07/13/21 14:52	07/16/21 22:30	1
Nitrobenzene-d5 (Surr)	77		53 - 120	07/13/21 14:52	07/16/21 22:30	1
Phenol-d5 (Surr)	77		54 - 120	07/13/21 14:52	07/16/21 22:30	1
p-Terphenyl-d14 (Surr)	95		79 - 130	07/13/21 14:52	07/16/21 22:30	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
4,4'-DDE	2.0	U	2.0	0.43	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
4,4'-DDT	2.0	U	2.0	0.48	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Aldrin	2.0	U	2.0	0.50	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
alpha-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
beta-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
delta-BHC	2.0	U	2.0	0.38	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Dieldrin	2.0	U	2.0	0.49	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endosulfan I	2.0	U	2.0	0.39	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endosulfan II	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endosulfan sulfate	2.0	U	2.0	0.38	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endrin	2.0	U	2.0	0.40	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endrin aldehyde	2.0	U	2.0	0.52	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Endrin ketone	0.71	J	2.0	0.50	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
gamma-BHC (Lindane)	0.56	J B	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Heptachlor	1.0	J	2.0	0.44	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
Toxaphene	20	U	20	12	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1
trans-Chlordane	0.86	J	2.0	0.65	ug/Kg	✱	07/14/21 07:54	07/15/21 10:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		45 - 120	07/14/21 07:54	07/15/21 10:48	1
DCB Decachlorobiphenyl	90		45 - 120	07/14/21 07:54	07/15/21 10:48	1
Tetrachloro-m-xylene	96		30 - 124	07/14/21 07:54	07/15/21 10:48	1
Tetrachloro-m-xylene	77		30 - 124	07/14/21 07:54	07/15/21 10:48	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	✱	07/12/21 07:56	07/13/21 15:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	112		60 - 154	07/12/21 07:56	07/13/21 15:53	1
Tetrachloro-m-xylene	119		60 - 154	07/12/21 07:56	07/13/21 15:53	1
DCB Decachlorobiphenyl	134		65 - 174	07/12/21 07:56	07/13/21 15:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	114		65 - 174	07/12/21 07:56	07/13/21 15:53	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	✱	07/15/21 06:45	07/19/21 15:52	1
Silvex (2,4,5-TP)	20	U	20	7.3	ug/Kg	✱	07/15/21 06:45	07/19/21 15:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		28 - 129	07/15/21 06:45	07/19/21 15:52	1
2,4-Dichlorophenylacetic acid	60		28 - 129	07/15/21 06:45	07/19/21 15:52	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6870		12.5	5.5	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Antimony	18.8	U	18.8	0.50	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Arsenic	5.4		2.5	0.50	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Barium	19.9	^	0.63	0.14	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Beryllium	0.43		0.25	0.035	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Cadmium	0.046	J	0.25	0.038	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Calcium	203000	B	314	20.7	mg/Kg	✱	07/09/21 15:50	07/13/21 11:57	5
Chromium	7.4		0.63	0.25	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Cobalt	4.8		0.63	0.063	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Copper	10.9		6.3	1.3	mg/Kg	✱	07/09/21 15:50	07/13/21 11:57	5
Iron	11600		12.5	4.4	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Lead	17.7		1.3	0.30	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Magnesium	20600		25.1	1.2	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Manganese	300		0.25	0.040	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Nickel	11.3		6.3	0.29	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Potassium	3230		37.6	25.1	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Selenium	5.0	U	5.0	0.50	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Silver	0.75	U	0.75	0.25	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Sodium	152	J	176	16.3	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Thallium	7.5	U	7.5	0.38	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Vanadium	8.4		0.63	0.14	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1
Zinc	8.7		2.5	0.80	mg/Kg	✱	07/09/21 15:50	07/13/21 01:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	J	0.027	0.0063	mg/Kg	✱	07/09/21 13:50	07/09/21 15:29	1

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 90.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.33	ug/Kg	✱	07/08/21 09:00	07/08/21 22:15	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.75	ug/Kg	✱	07/08/21 09:00	07/08/21 22:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.0	ug/Kg	✱	07/08/21 09:00	07/08/21 22:15	1
1,1,2-Trichloroethane	4.6	U	4.6	0.60	ug/Kg	✱	07/08/21 09:00	07/08/21 22:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 90.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,1-Dichloroethene	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2-Dibromoethane	4.6	U	4.6	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,3-Dichlorobenzene	4.6	U	4.6	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
1,4-Dichlorobenzene	4.6	U	4.6	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Acetone	23	U	23	3.9	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Benzene	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Bromodichloromethane	4.6	U	4.6	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Bromomethane	4.6	U	4.6	0.41	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Carbon tetrachloride	4.6	U	4.6	0.44	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Chlorobenzene	4.6	U	4.6	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Chloroethane	4.6	U	4.6	1.0	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Chloroform	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Chloromethane	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Cyclohexane	4.6	U	4.6	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Dibromochloromethane	4.6	U	4.6	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Dichlorodifluoromethane	4.6	U TL	4.6	0.38	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Ethylbenzene	4.6	U	4.6	0.32	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Isopropylbenzene	4.6	U	4.6	0.69	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Methylcyclohexane	4.6	U	4.6	0.70	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Tetrachloroethene	4.6	U	4.6	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Toluene	4.6	U	4.6	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.47	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Trichlorofluoromethane	4.6	U	4.6	0.43	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Vinyl chloride	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1
Xylenes, Total	9.2	U	9.2	0.77	ug/Kg	☼	07/08/21 09:00	07/08/21 22:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Pentene	11	T J N	ug/Kg	☼	3.68	109-67-1	07/08/21 09:00	07/08/21 22:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	07/08/21 09:00	07/08/21 22:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 90.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 126	07/08/21 09:00	07/08/21 22:15	1
Dibromofluoromethane (Surr)	104		60 - 140	07/08/21 09:00	07/08/21 22:15	1
Toluene-d8 (Surr)	98		71 - 125	07/08/21 09:00	07/08/21 22:15	1

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
1,4-Dioxane	120	U	120	65	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Chlorophenol	390	U	390	37	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Methylphenol	200	U	200	24	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Nitroaniline	390	U	390	30	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
2-Nitrophenol	200	U	200	57	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
3-Nitroaniline	390	U	390	56	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Chloroaniline	200	U	200	50	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Methylphenol	390	U	390	24	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Nitroaniline	390	U	390	110	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
4-Nitrophenol	390	U	390	140	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Acenaphthene	200	U	200	30	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Acenaphthylene	200	U	200	26	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Acetophenone	200	U	200	27	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Anthracene	200	U	200	50	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Atrazine	200	U	200	70	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzaldehyde	200	U	200	160	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
Biphenyl	200	U	200	30	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	✱	07/13/21 14:52	07/16/21 22:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Caprolactam	200	U	200	60	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Carbazole	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Chrysene	200	U	200	45	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Fluorene	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Isophorone	200	U	200	43	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Phenol	200	U	200	31	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1
Pyrene	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/16/21 22:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4000	T J	ug/Kg	☼	1.89		07/13/21 14:52	07/16/21 22:56	1
Unknown	300	T J	ug/Kg	☼	3.27		07/13/21 14:52	07/16/21 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		54 - 120	07/13/21 14:52	07/16/21 22:56	1
2-Fluorobiphenyl (Surr)	88		60 - 120	07/13/21 14:52	07/16/21 22:56	1
2-Fluorophenol (Surr)	77		52 - 120	07/13/21 14:52	07/16/21 22:56	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/13/21 14:52	07/16/21 22:56	1
Phenol-d5 (Surr)	78		54 - 120	07/13/21 14:52	07/16/21 22:56	1
p-Terphenyl-d14 (Surr)	93		79 - 130	07/13/21 14:52	07/16/21 22:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 11:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endrin	2.0	U	2.0	0.39	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
gamma-BHC (Lindane)	0.67	J B	2.0	0.36	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Toxaphene	20	U	20	12	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
trans-Chlordane	0.76	J	2.0	0.63	ug/Kg	✳	07/14/21 07:54	07/15/21 11:08	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		45 - 120				07/14/21 07:54	07/15/21 11:08	1
DCB Decachlorobiphenyl	96		45 - 120				07/14/21 07:54	07/15/21 11:08	1
Tetrachloro-m-xylene	84		30 - 124				07/14/21 07:54	07/15/21 11:08	1
Tetrachloro-m-xylene	99		30 - 124				07/14/21 07:54	07/15/21 11:08	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	✳	07/12/21 07:56	07/13/21 16:05	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154				07/12/21 07:56	07/13/21 16:05	1
Tetrachloro-m-xylene	114		60 - 154				07/12/21 07:56	07/13/21 16:05	1
DCB Decachlorobiphenyl	113		65 - 174				07/12/21 07:56	07/13/21 16:05	1
DCB Decachlorobiphenyl	110		65 - 174				07/12/21 07:56	07/13/21 16:05	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✳	07/15/21 06:45	07/19/21 16:52	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	✳	07/15/21 06:45	07/19/21 16:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129				07/15/21 06:45	07/19/21 16:52	1
2,4-Dichlorophenylacetic acid	58		28 - 129				07/15/21 06:45	07/19/21 16:52	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9670		11.6	5.1	mg/Kg	✳	07/09/21 15:50	07/13/21 01:26	1
Antimony	17.5	U	17.5	0.47	mg/Kg	✳	07/09/21 15:50	07/13/21 01:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.7		2.3	0.47	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Barium	31.6	^	0.58	0.13	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Beryllium	0.53		0.23	0.033	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Cadmium	0.11	J	0.23	0.035	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Calcium	147000	B	291	19.2	mg/Kg	☼	07/09/21 15:50	07/13/21 12:01	5
Chromium	10.0		0.58	0.23	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Cobalt	4.7		0.58	0.058	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Copper	11.5		5.8	1.2	mg/Kg	☼	07/09/21 15:50	07/13/21 12:01	5
Iron	12200		11.6	4.1	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Lead	22.9		1.2	0.28	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Magnesium	18900		23.3	1.1	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Manganese	307		0.23	0.037	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Nickel	12.4		5.8	0.27	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Potassium	3660		34.9	23.3	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Silver	0.35	J	0.70	0.23	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Sodium	128	J	163	15.1	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Vanadium	12.3		0.58	0.13	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1
Zinc	27.2		2.3	0.75	mg/Kg	☼	07/09/21 15:50	07/13/21 01:26	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.025	0.0057	mg/Kg	☼	07/09/21 13:50	07/09/21 15:31	1

Client Sample ID: B-21-10 (2-3) (07072021)

Lab Sample ID: 480-186910-6

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 78.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.5	U	2.5	0.020	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	U	2.5	0.038	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.5	U	2.5	0.057	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.5	U	2.5	0.046	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.012	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorobutanoic acid (PFBA)	0.66		0.62	0.20	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.015	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorodecanoic acid (PFDA)	0.25	U	0.25	0.015	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.026	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.25	U	0.25	0.019	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluoroheptanoic acid (PFHpA)	0.25	U	0.25	0.025	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.017	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorohexanoic acid (PFHxA)	0.25	U	0.25	0.027	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorononanoic acid (PFNA)	0.25	U	0.25	0.022	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.021	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-10 (2-3) (07072021)

Lab Sample ID: 480-186910-6

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 78.8

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	0.25	U	0.25	0.020	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorooctanoic acid (PFOA)	0.25	U	0.25	0.031	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluoropentanoic acid (PFPeA)	0.25	U	0.25	0.048	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.028	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluorotridecanoic acid (PFTrIA)	0.25	U	0.25	0.019	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Perfluoroundecanoic acid (PFUnA)	0.25	U	0.25	0.025	ug/Kg	☼	07/12/21 09:54	07/13/21 18:31	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFDA	90		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C2 PFDoA	80		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C2 PFHxA	86		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C2 PFTeDA	78		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C2 PFUnA	80		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C3 PFBS	84		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C4 PFBA	87		25 - 150				07/12/21 09:54	07/13/21 18:31	1
13C4 PFHpA	88		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C4 PFOA	85		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C4 PFOS	84		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C5 PFNA	83		50 - 150				07/12/21 09:54	07/13/21 18:31	1
13C5 PFPeA	85		25 - 150				07/12/21 09:54	07/13/21 18:31	1
13C8 FOSA	77		25 - 150				07/12/21 09:54	07/13/21 18:31	1
18O2 PFHxS	79		50 - 150				07/12/21 09:54	07/13/21 18:31	1
d3-NMeFOSAA	79		50 - 150				07/12/21 09:54	07/13/21 18:31	1
d5-NEtFOSAA	74		50 - 150				07/12/21 09:54	07/13/21 18:31	1
M2-6:2 FTS	83		25 - 150				07/12/21 09:54	07/13/21 18:31	1
M2-8:2 FTS	81		25 - 150				07/12/21 09:54	07/13/21 18:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	31000		1000	671	mg/Kg			07/20/21 15:46	1

Client Sample ID: B-21-10 (7-8) (07072021)

Lab Sample ID: 480-186910-7

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1	U	5.1	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,1,2,2-Tetrachloroethane	5.1	U	5.1	0.82	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	5.1	1.2	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,1,2-Trichloroethane	5.1	U	5.1	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,1-Dichloroethane	5.1	U	5.1	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,1-Dichloroethene	5.1	U	5.1	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2,4-Trichlorobenzene	5.1	U	5.1	0.31	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2-Dibromo-3-Chloropropane	5.1	U	5.1	2.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2-Dibromoethane	5.1	U	5.1	0.65	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2-Dichlorobenzene	5.1	U	5.1	0.40	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2-Dichloroethane	5.1	U	5.1	0.25	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,2-Dichloropropane	5.1	U	5.1	2.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,3-Dichlorobenzene	5.1	U	5.1	0.26	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
1,4-Dichlorobenzene	5.1	U	5.1	0.71	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-10 (7-8) (07072021)

Lab Sample ID: 480-186910-7

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.7	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Acetone	25	U	25	4.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Benzene	5.1	U	5.1	0.25	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Bromodichloromethane	5.1	U	5.1	0.68	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Bromoform	5.1	U	5.1	2.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Bromomethane	5.1	U	5.1	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Carbon disulfide	5.1	U	5.1	2.5	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Carbon tetrachloride	5.1	U	5.1	0.49	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Chlorobenzene	5.1	U	5.1	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Chloroethane	5.1	U	5.1	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Chloroform	5.1	U	5.1	0.31	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Chloromethane	5.1	U	5.1	0.31	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
cis-1,2-Dichloroethene	5.1	U	5.1	0.65	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
cis-1,3-Dichloropropene	5.1	U	5.1	0.73	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Cyclohexane	5.1	U	5.1	0.71	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Dibromochloromethane	5.1	U	5.1	0.65	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Dichlorodifluoromethane	5.1	U TL	5.1	0.42	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Ethylbenzene	5.1	U	5.1	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Isopropylbenzene	5.1	U	5.1	0.76	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Methyl acetate	25	U	25	3.1	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Methyl tert-butyl ether	5.1	U	5.1	0.50	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Methylcyclohexane	5.1	U	5.1	0.77	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Methylene Chloride	5.1	U	5.1	2.3	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Styrene	5.1	U	5.1	0.25	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Tetrachloroethene	5.1	U	5.1	0.68	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Toluene	0.60	J	5.1	0.38	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
trans-1,2-Dichloroethene	5.1	U	5.1	0.52	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
trans-1,3-Dichloropropene	5.1	U	5.1	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Trichloroethene	5.1	U	5.1	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Trichlorofluoromethane	5.1	U	5.1	0.48	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Vinyl chloride	5.1	U	5.1	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	07/08/21 09:00	07/08/21 22:40	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/08/21 09:00	07/08/21 22:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/08/21 09:00	07/08/21 22:40	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/08/21 09:00	07/08/21 22:40	1
Dibromofluoromethane (Surr)	99		60 - 140	07/08/21 09:00	07/08/21 22:40	1
Toluene-d8 (Surr)	100		71 - 125	07/08/21 09:00	07/08/21 22:40	1

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-21 (8-9) (07072021)

Lab Sample ID: 480-186910-8

Date Collected: 07/07/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.77	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,1-Dichloroethene	4.8	U	4.8	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2-Dibromoethane	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,3-Dichlorobenzene	4.8	U	4.8	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Benzene	0.35	J	4.8	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Bromomethane	4.8	U	4.8	0.43	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Chloroform	4.8	U	4.8	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Cyclohexane	4.8	U	4.8	0.67	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Dichlorodifluoromethane	4.8	U TL	4.8	0.39	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Methylcyclohexane	4.8	U	4.8	0.72	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Toluene	0.77	J	4.8	0.36	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Trichloroethene	4.8	U	4.8	1.0	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Vinyl chloride	4.8	U	4.8	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	07/08/21 09:00	07/08/21 23:05	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-21 (8-9) (07072021)

Lab Sample ID: 480-186910-8

Date Collected: 07/07/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>07/08/21 09:00</i>	<i>07/08/21 23:05</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		64 - 126				07/08/21 09:00	07/08/21 23:05	1
<i>4-Bromofluorobenzene (Surr)</i>	87		72 - 126				07/08/21 09:00	07/08/21 23:05	1
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140				07/08/21 09:00	07/08/21 23:05	1
<i>Toluene-d8 (Surr)</i>	103		71 - 125				07/08/21 09:00	07/08/21 23:05	1

Client Sample ID: B-21-20 (8-9) (07072021)

Lab Sample ID: 480-186910-9

Date Collected: 07/07/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,1,2-Trichloroethane	4.9	U	4.9	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,1-Dichloroethane	4.9	U	4.9	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,1-Dichloroethene	4.9	U	4.9	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2-Dibromoethane	4.9	U	4.9	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2-Dichloroethane	4.9	U	4.9	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Acetone	4.2	J	24	4.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Benzene	0.27	J	4.9	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Chlorobenzene	4.9	U	4.9	0.64	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Chloromethane	4.9	U	4.9	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Dibromochloromethane	4.9	U	4.9	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Dichlorodifluoromethane	4.9	U TL	4.9	0.40	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Isopropylbenzene	4.9	U	4.9	0.73	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-20 (8-9) (07072021)

Lab Sample ID: 480-186910-9

Date Collected: 07/07/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Tetrachloroethene	4.9	U	4.9	0.65	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Toluene	0.74	J	4.9	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Vinyl chloride	4.9	U	4.9	0.59	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1
Xylenes, Total	9.7	U	9.7	0.82	ug/Kg	☼	07/08/21 09:00	07/08/21 23:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8.1	T J	ug/Kg	☼	6.45		07/08/21 09:00	07/08/21 23:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/08/21 09:00	07/08/21 23:29	1
4-Bromofluorobenzene (Surr)	92		72 - 126	07/08/21 09:00	07/08/21 23:29	1
Dibromofluoromethane (Surr)	101		60 - 140	07/08/21 09:00	07/08/21 23:29	1
Toluene-d8 (Surr)	100		71 - 125	07/08/21 09:00	07/08/21 23:29	1

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
1,4-Dioxane	120	U	120	67	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,3,4,6-Tetrachlorophenol	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4-Dimethylphenol	210	U	210	50	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,4-Dinitrotoluene	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Chloronaphthalene	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Chlorophenol	400	U	400	37	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Methylphenol	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
2-Nitrophenol	210	U	210	58	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
3-Nitroaniline	400	U	400	57	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Chloroaniline	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Chlorophenyl phenyl ether	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Acenaphthene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Acetophenone	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Anthracene	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Atrazine	210	U	210	71	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzaldehyde	210	U	210	160	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Biphenyl	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Bis(2-ethylhexyl) phthalate	210	U	210	70	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Caprolactam	210	U	210	62	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Carbazole	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Chrysene	210	U	210	46	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Fluorene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Indeno[1,2,3-cd]pyrene	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Isophorone	210	U	210	44	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Phenanthrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Phenol	210	U	210	31	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1
Pyrene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/16/21 23:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3800	T J	ug/Kg	☼	1.88		07/13/21 14:52	07/16/21 23:20	1
Unknown	390	T J	ug/Kg	☼	3.26		07/13/21 14:52	07/16/21 23:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 82.1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		54 - 120	07/13/21 14:52	07/16/21 23:20	1
2-Fluorobiphenyl (Surr)	87		60 - 120	07/13/21 14:52	07/16/21 23:20	1
2-Fluorophenol (Surr)	75		52 - 120	07/13/21 14:52	07/16/21 23:20	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/13/21 14:52	07/16/21 23:20	1
Phenol-d5 (Surr)	76		54 - 120	07/13/21 14:52	07/16/21 23:20	1
p-Terphenyl-d14 (Surr)	97		79 - 130	07/13/21 14:52	07/16/21 23:20	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endosulfan sulfate	0.40	J	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endrin	2.0	U	2.0	0.40	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
gamma-BHC (Lindane)	0.59	J B	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
Toxaphene	20	U	20	12	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1
trans-Chlordane	2.0	U	2.0	0.64	ug/Kg	✱	07/14/21 07:54	07/15/21 11:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		45 - 120	07/14/21 07:54	07/15/21 11:27	1
DCB Decachlorobiphenyl	98		45 - 120	07/14/21 07:54	07/15/21 11:27	1
Tetrachloro-m-xylene	87		30 - 124	07/14/21 07:54	07/15/21 11:27	1
Tetrachloro-m-xylene	91		30 - 124	07/14/21 07:54	07/15/21 11:27	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.053	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1221	0.27	U	0.27	0.053	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1232	0.27	U	0.27	0.053	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1242	0.27	U	0.27	0.053	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1248	0.27	U	0.27	0.053	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	✱	07/12/21 07:56	07/13/21 16:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	130		60 - 154	07/12/21 07:56	07/13/21 16:18	1
Tetrachloro-m-xylene	128		60 - 154	07/12/21 07:56	07/13/21 16:18	1
DCB Decachlorobiphenyl	122		65 - 174	07/12/21 07:56	07/13/21 16:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 82.1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		65 - 174	07/12/21 07:56	07/13/21 16:18	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☆	07/15/21 06:45	07/19/21 17:22	1
Silvex (2,4,5-TP)	20	U	20	7.2	ug/Kg	☆	07/15/21 06:45	07/19/21 17:22	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129	07/15/21 06:45	07/19/21 17:22	1
2,4-Dichlorophenylacetic acid	63		28 - 129	07/15/21 06:45	07/19/21 17:22	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6820	TH	11.6	5.1	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Antimony	17.4	U TL	17.4	0.46	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Arsenic	5.0		2.3	0.46	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Barium	17.3	^ TH	0.58	0.13	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Beryllium	0.42		0.23	0.033	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Cadmium	0.063	J	0.23	0.035	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Calcium	196000	B TL	290	19.2	mg/Kg	☆	07/09/21 15:50	07/13/21 12:05	5
Chromium	7.3		0.58	0.23	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Cobalt	6.6		0.58	0.058	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Copper	9.3		5.8	1.2	mg/Kg	☆	07/09/21 15:50	07/13/21 12:05	5
Iron	11700		11.6	4.1	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Lead	30.1		1.2	0.28	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Magnesium	15800		23.2	1.1	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Manganese	355	TL	0.23	0.037	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Nickel	14.7		5.8	0.27	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Potassium	2980	TH	34.8	23.2	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Silver	0.35	J	0.70	0.23	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Sodium	129	J	163	15.1	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Vanadium	8.4		0.58	0.13	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1
Zinc	30.8		2.3	0.74	mg/Kg	☆	07/09/21 15:50	07/13/21 01:30	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0057	J	0.023	0.0053	mg/Kg	☆	07/09/21 13:50	07/09/21 15:32	1

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☆	07/08/21 09:00	07/08/21 23:54	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☆	07/08/21 09:00	07/08/21 23:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☆	07/08/21 09:00	07/08/21 23:54	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☆	07/08/21 09:00	07/08/21 23:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.5	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Dichlorodifluoromethane	4.7	U TL	4.7	0.39	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Methyl acetate	24	U	24	2.8	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Vinyl chloride	4.7	U	4.7	0.58	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	07/08/21 09:00	07/08/21 23:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/08/21 09:00	07/08/21 23:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	07/08/21 09:00	07/08/21 23:54	1

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Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 84.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	93		72 - 126	07/08/21 09:00	07/08/21 23:54	1
Dibromofluoromethane (Surr)	102		60 - 140	07/08/21 09:00	07/08/21 23:54	1
Toluene-d8 (Surr)	98		71 - 125	07/08/21 09:00	07/08/21 23:54	1

Client Sample ID: B-21-7 (6-7) (07072021)

Lab Sample ID: 480-186910-12

Date Collected: 07/07/21 14:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.33	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.74	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.0	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,1,2-Trichloroethane	4.6	U	4.6	0.59	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,1-Dichloroethene	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2-Dibromoethane	4.6	U	4.6	0.58	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,3-Dichlorobenzene	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
1,4-Dichlorobenzene	4.6	U	4.6	0.64	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Acetone	23	U	23	3.8	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Benzene	0.22	J	4.6	0.22	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Bromodichloromethane	4.6	U	4.6	0.61	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Bromomethane	4.6	U	4.6	0.41	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Carbon tetrachloride	4.6	U	4.6	0.44	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Chlorobenzene	4.6	U	4.6	0.60	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Chloroethane	4.6	U	4.6	1.0	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Chloroform	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Chloromethane	4.6	U	4.6	0.28	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.58	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Cyclohexane	4.6	U	4.6	0.64	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Dibromochloromethane	4.6	U	4.6	0.58	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Dichlorodifluoromethane	4.6	U TL	4.6	0.38	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Ethylbenzene	4.6	U	4.6	0.31	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Isopropylbenzene	4.6	U	4.6	0.69	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Methylcyclohexane	4.6	U	4.6	0.69	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-7 (6-7) (07072021)

Lab Sample ID: 480-186910-12

Date Collected: 07/07/21 14:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Tetrachloroethene	4.6	U	4.6	0.61	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Toluene	0.38	J	4.6	0.34	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.47	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Trichlorofluoromethane	4.6	U	4.6	0.43	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Vinyl chloride	4.6	U	4.6	0.56	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1
Xylenes, Total	9.1	U	9.1	0.77	ug/Kg	☼	07/08/21 09:00	07/09/21 00:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/08/21 09:00	07/09/21 00:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	108		64 - 126	07/08/21 09:00	07/09/21 00:18	1
4-Bromofluorobenzene (Surr)	92		72 - 126	07/08/21 09:00	07/09/21 00:18	1
Dibromofluoromethane (Surr)	106		60 - 140	07/08/21 09:00	07/09/21 00:18	1
Toluene-d8 (Surr)	97		71 - 125	07/08/21 09:00	07/09/21 00:18	1

Surrogate Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-186910-1	B-21-23 (1-2) (07062021)	109	91	102	101
480-186910-2	B-21-24 (9-10) (07062021)	104	86	102	103
480-186910-4	B-21-14 (10-11) (07062021)	108	93	104	98
480-186910-7	B-21-10 (7-8) (07072021)	104	91	99	100
480-186910-8	B-21-21 (8-9) (07072021)	103	87	102	103
480-186910-9	B-21-20 (8-9) (07072021)	104	92	101	100
480-186910-11	B-21-22 (8-9) (07072021)	108	93	102	98
480-186910-12	B-21-7 (6-7) (07072021)	108	92	106	97
LCS 480-588468/1-A	Lab Control Sample	98	96	98	99
MB 480-588468/2-A	Method Blank	97	93	99	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-186910-3	B-21-24 (4-5) (07062021)	81	90	77	77	77	95
480-186910-5	B-21-14 (1-2) (07062021)	89	88	77	76	78	93
480-186910-10	B-21-22 (4-5) (07072021)	86	87	75	75	76	97
LCS 480-588917/2-A	Lab Control Sample	119	98	80	81	77	112
MB 480-588917/1-A	Method Blank	94	87	78	76	79	104

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-186910-3	B-21-24 (4-5) (07062021)	93	90	96	77
480-186910-5	B-21-14 (1-2) (07062021)	96	96	84	99
480-186910-10	B-21-22 (4-5) (07072021)	98	98	87	91
LCS 480-588984/2-A	Lab Control Sample	94	106	94	91
MB 480-588984/1-A	Method Blank	82	92	77	80

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

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Surrogate Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	TCX2	DCBP1	DCBP2
		(60-154)	(60-154)	(65-174)	(65-174)
480-186910-3	B-21-24 (4-5) (07062021)	119	112	114	134
480-186910-5	B-21-14 (1-2) (07062021)	114	113	110	113
480-186910-10	B-21-22 (4-5) (07072021)	128	130	120	122
LCS 480-588675/2-A	Lab Control Sample	121	118	121	123
MB 480-588675/1-A	Method Blank	112	115	112	114

Surrogate Legend

TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1	DCPAA2
		(28-129)	(28-129)
480-186910-3	B-21-24 (4-5) (07062021)	64	60
480-186910-3 MS	B-21-24 (4-5) (07062021)	67	61
480-186910-3 MSD	B-21-24 (4-5) (07062021)	67	60
480-186910-5	B-21-14 (1-2) (07062021)	67	58
480-186910-10	B-21-22 (4-5) (07072021)	71	63
LCS 480-589113/2-A	Lab Control Sample	73	61
MB 480-589113/1-A	Method Blank	67	61

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-186910-6	B-21-10 (2-3) (07072021)	90	80	86	78	80	84	87	88
LCS 200-168966/2-A	Lab Control Sample	92	75	93	82	80	91	95	97
MB 200-168966/1-A	Method Blank	91	90	98	84	87	95	94	94

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-186910-6	B-21-10 (2-3) (07072021)	85	84	83	85	77	79	79	74
LCS 200-168966/2-A	Lab Control Sample	93	91	94	93	78	97	86	77
MB 200-168966/1-A	Method Blank	97	98	91	97	85	97	91	92

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-186910-6	B-21-10 (2-3) (07072021)	83	81
LCS 200-168966/2-A	Lab Control Sample	99	97
MB 200-168966/1-A	Method Blank	100	100

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-588468/2-A
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588468

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Acetone	25	U	25	4.2	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/08/21 17:42	07/08/21 21:02	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/08/21 17:42	07/08/21 21:02	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-588468/2-A
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588468

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>07/08/21 17:42</i>	<i>07/08/21 21:02</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>97</i>		<i>64 - 126</i>	<i>07/08/21 17:42</i>	<i>07/08/21 21:02</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>93</i>		<i>72 - 126</i>	<i>07/08/21 17:42</i>	<i>07/08/21 21:02</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>99</i>		<i>60 - 140</i>	<i>07/08/21 17:42</i>	<i>07/08/21 21:02</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>	<i>07/08/21 17:42</i>	<i>07/08/21 21:02</i>	<i>1</i>

Lab Sample ID: LCS 480-588468/1-A
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588468

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	49.7		ug/Kg		99	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.7		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.2		ug/Kg		96	60 - 140
1,1,2-Trichloroethane	50.0	52.4		ug/Kg		105	78 - 122
1,1-Dichloroethane	50.0	48.2		ug/Kg		96	73 - 126
1,1-Dichloroethene	50.0	48.2		ug/Kg		96	59 - 125
1,2,4-Trichlorobenzene	50.0	45.2		ug/Kg		90	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	48.9		ug/Kg		98	63 - 124
1,2-Dibromoethane	50.0	51.7		ug/Kg		103	78 - 120
1,2-Dichlorobenzene	50.0	48.6		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	47.7		ug/Kg		95	77 - 122
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	49.3		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	244		ug/Kg		97	70 - 134
2-Hexanone	250	265		ug/Kg		106	59 - 130
4-Methyl-2-pentanone (MIBK)	250	246		ug/Kg		98	65 - 133
Acetone	250	241		ug/Kg		96	61 - 137
Benzene	50.0	49.8		ug/Kg		100	79 - 127
Bromodichloromethane	50.0	53.2		ug/Kg		106	80 - 122
Bromoform	50.0	51.1		ug/Kg		102	68 - 126
Bromomethane	50.0	53.6		ug/Kg		107	37 - 149
Carbon disulfide	50.0	46.5		ug/Kg		93	64 - 131
Carbon tetrachloride	50.0	52.6		ug/Kg		105	75 - 135
Chlorobenzene	50.0	50.3		ug/Kg		101	76 - 124
Chloroethane	50.0	63.7		ug/Kg		127	69 - 135
Chloroform	50.0	49.0		ug/Kg		98	80 - 120
Chloromethane	50.0	47.7		ug/Kg		95	63 - 127
cis-1,2-Dichloroethene	50.0	49.1		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	51.1		ug/Kg		102	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	56.1		ug/Kg		112	76 - 125
Dichlorodifluoromethane	50.0	27.6	TL	ug/Kg		55	57 - 142
Ethylbenzene	50.0	51.1		ug/Kg		102	80 - 120

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-588468/1-A
Matrix: Solid
Analysis Batch: 588473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588468

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.9		ug/Kg		98	72 - 120
Methyl acetate	100	91.8		ug/Kg		92	55 - 136
Methyl tert-butyl ether	50.0	46.7		ug/Kg		93	63 - 125
Methylcyclohexane	50.0	47.3		ug/Kg		95	60 - 140
Methylene Chloride	50.0	52.4		ug/Kg		105	61 - 127
Styrene	50.0	49.5		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	49.5		ug/Kg		99	74 - 122
Toluene	50.0	50.5		ug/Kg		101	74 - 128
trans-1,2-Dichloroethene	50.0	50.2		ug/Kg		100	78 - 126
Trichloroethene	50.0	48.3		ug/Kg		97	77 - 129
Trichlorofluoromethane	50.0	49.3		ug/Kg		99	65 - 146
Vinyl chloride	50.0	54.0		ug/Kg		108	61 - 133
Xylenes, Total	100	100		ug/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	98		64 - 126
4-Bromofluorobenzene (Surr)	96		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
1,4-Dioxane	100	U	100	55	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Methylphenol	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Methylphenol	330	U	330	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Nitroaniline	330	U	330	89	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acenaphthene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acenaphthylene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acetophenone	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Anthracene	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Atrazine	170	U	170	59	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzaldehyde	170	U	170	130	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Biphenyl	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Caprolactam	170	U	170	51	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Carbazole	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Chrysene	170	U	170	38	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dibenzofuran	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Fluoranthene	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Fluorene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachloroethane	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Isophorone	170	U	170	36	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Naphthalene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Nitrobenzene	170	U	170	19	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Phenanthrene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Phenol	170	U	170	26	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Pyrene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

<i>Tentatively Identified Compound</i>	<i>MB MB</i>		<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>Est. Result</i>	<i>Qualifier</i>							
Unknown	629	T J	ug/Kg		1.75		07/13/21 14:52	07/16/21 16:21	1
Unknown	2870	T J	ug/Kg		1.89		07/13/21 14:52	07/16/21 16:21	1
Unknown	365	T J	ug/Kg		3.27		07/13/21 14:52	07/16/21 16:21	1

<i>Surrogate</i>	<i>MB MB</i>		<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
2,4,6-Tribromophenol (Surr)	94		54 - 120	07/13/21 14:52	07/16/21 16:21	1
2-Fluorobiphenyl (Surr)	87		60 - 120	07/13/21 14:52	07/16/21 16:21	1
2-Fluorophenol (Surr)	78		52 - 120	07/13/21 14:52	07/16/21 16:21	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/13/21 14:52	07/16/21 16:21	1
Phenol-d5 (Surr)	79		54 - 120	07/13/21 14:52	07/16/21 16:21	1
p-Terphenyl-d14 (Surr)	104		79 - 130	07/13/21 14:52	07/16/21 16:21	1

Lab Sample ID: LCS 480-588917/2-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588917

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,4-Dioxane	1640	757		ug/Kg		46	23 - 120
2,3,4,6-Tetrachlorophenol	1640	1510		ug/Kg		92	64 - 120
2,4,5-Trichlorophenol	1640	1560		ug/Kg		95	59 - 126
2,4,6-Trichlorophenol	1640	1580		ug/Kg		97	59 - 123
2,4-Dichlorophenol	1640	1440		ug/Kg		88	61 - 120
2,4-Dimethylphenol	1640	1290		ug/Kg		79	59 - 120
2,4-Dinitrophenol	3270	2870		ug/Kg		88	41 - 146
2,4-Dinitrotoluene	1640	1320		ug/Kg		81	63 - 120
2,6-Dinitrotoluene	1640	1410		ug/Kg		86	66 - 120
2-Chloronaphthalene	1640	1530		ug/Kg		94	57 - 120
2-Chlorophenol	1640	1330		ug/Kg		81	53 - 120
2-Methylnaphthalene	1640	1320		ug/Kg		81	59 - 120
2-Methylphenol	1640	1340		ug/Kg		82	54 - 120
2-Nitroaniline	1640	1290		ug/Kg		79	61 - 120
2-Nitrophenol	1640	1520		ug/Kg		93	56 - 120
3,3'-Dichlorobenzidine	3270	2930		ug/Kg		90	54 - 120
3-Nitroaniline	1640	1090		ug/Kg		67	48 - 120
4,6-Dinitro-2-methylphenol	3270	3770		ug/Kg		115	49 - 122
4-Bromophenyl phenyl ether	1640	1870		ug/Kg		114	58 - 120
4-Chloro-3-methylphenol	1640	1320		ug/Kg		81	61 - 120
4-Chloroaniline	1640	1210		ug/Kg		74	38 - 120
4-Chlorophenyl phenyl ether	1640	1470		ug/Kg		90	63 - 124
4-Methylphenol	1640	1340		ug/Kg		82	55 - 120
4-Nitroaniline	1640	1120		ug/Kg		69	56 - 120
4-Nitrophenol	3270	2350		ug/Kg		72	43 - 147
Acenaphthene	1640	1450		ug/Kg		88	62 - 120
Acenaphthylene	1640	1510		ug/Kg		92	58 - 121
Acetophenone	1640	1290		ug/Kg		79	54 - 120
Anthracene	1640	1620		ug/Kg		99	62 - 120
Atrazine	3270	2380		ug/Kg		73	60 - 127

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-588917/2-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	3270	2720	E	ug/Kg		83	10 - 150
Benzo[a]anthracene	1640	1730		ug/Kg		106	65 - 120
Benzo[a]pyrene	1640	1590		ug/Kg		97	64 - 120
Benzo[b]fluoranthene	1640	1690		ug/Kg		103	64 - 120
Benzo[g,h,i]perylene	1640	1830		ug/Kg		112	45 - 145
Benzo[k]fluoranthene	1640	1650		ug/Kg		101	65 - 120
Biphenyl	1640	1550		ug/Kg		94	59 - 120
bis (2-chloroisopropyl) ether	1640	1070		ug/Kg		65	44 - 120
Bis(2-chloroethoxy)methane	1640	1370		ug/Kg		84	55 - 120
Bis(2-chloroethyl)ether	1640	1280		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	1640	1590		ug/Kg		97	61 - 133
Butyl benzyl phthalate	1640	1680		ug/Kg		102	61 - 129
Caprolactam	3270	2180		ug/Kg		67	47 - 120
Carbazole	1640	1520		ug/Kg		93	65 - 120
Chrysene	1640	1760		ug/Kg		108	64 - 120
Dibenz(a,h)anthracene	1640	1820		ug/Kg		111	54 - 132
Dibenzofuran	1640	1430		ug/Kg		88	63 - 120
Diethyl phthalate	1640	1300		ug/Kg		79	66 - 120
Dimethyl phthalate	1640	1420		ug/Kg		87	65 - 124
Di-n-butyl phthalate	1640	1460		ug/Kg		89	58 - 130
Di-n-octyl phthalate	1640	1470		ug/Kg		90	57 - 133
Fluoranthene	1640	1420		ug/Kg		87	62 - 120
Fluorene	1640	1380		ug/Kg		85	63 - 120
Hexachlorobenzene	1640	1800		ug/Kg		110	60 - 120
Hexachlorobutadiene	1640	1560		ug/Kg		95	45 - 120
Hexachlorocyclopentadiene	1640	1610		ug/Kg		98	47 - 120
Hexachloroethane	1640	1260		ug/Kg		77	41 - 120
Indeno[1,2,3-cd]pyrene	1640	1780		ug/Kg		109	56 - 134
Isophorone	1640	1330		ug/Kg		81	56 - 120
Naphthalene	1640	1390		ug/Kg		85	55 - 120
Nitrobenzene	1640	1310		ug/Kg		80	54 - 120
N-Nitrosodi-n-propylamine	1640	1240		ug/Kg		76	52 - 120
N-Nitrosodiphenylamine	1640	1740		ug/Kg		106	51 - 128
Pentachlorophenol	3270	3420		ug/Kg		105	51 - 120
Phenanthrene	1640	1650		ug/Kg		101	60 - 120
Phenol	1640	1340		ug/Kg		82	53 - 120
Pyrene	1640	1820		ug/Kg		112	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	119		54 - 120
2-Fluorobiphenyl (Surr)	98		60 - 120
2-Fluorophenol (Surr)	80		52 - 120
Nitrobenzene-d5 (Surr)	81		53 - 120
Phenol-d5 (Surr)	77		54 - 120
p-Terphenyl-d14 (Surr)	112		79 - 130

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-588984/1-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588984

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endrin	0.332	J	1.7	0.33	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
gamma-BHC (Lindane)	0.523	J	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Methoxychlor	1.37	J	1.7	0.34	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
Toxaphene	17	U	17	9.7	ug/Kg		07/14/21 07:54	07/15/21 09:31	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		07/14/21 07:54	07/15/21 09:31	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	82		45 - 120	07/14/21 07:54	07/15/21 09:31	1
DCB Decachlorobiphenyl	92		45 - 120	07/14/21 07:54	07/15/21 09:31	1
Tetrachloro-m-xylene	77		30 - 124	07/14/21 07:54	07/15/21 09:31	1
Tetrachloro-m-xylene	80		30 - 124	07/14/21 07:54	07/15/21 09:31	1

Lab Sample ID: LCS 480-588984/2-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588984

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.7	15.3		ug/Kg		92	56 - 120
4,4'-DDE	16.7	11.6		ug/Kg		70	44 - 120
4,4'-DDT	16.7	15.5		ug/Kg		93	38 - 120
Aldrin	16.7	11.8		ug/Kg		71	38 - 120
alpha-BHC	16.7	11.6		ug/Kg		69	39 - 120
beta-BHC	16.7	14.7		ug/Kg		88	40 - 120
cis-Chlordane	16.7	10.3		ug/Kg		62	47 - 120
delta-BHC	16.7	13.4		ug/Kg		81	45 - 120
Dieldrin	16.7	14.3		ug/Kg		86	58 - 120
Endosulfan I	16.7	11.4		ug/Kg		69	49 - 120
Endosulfan II	16.7	14.0		ug/Kg		84	55 - 120
Endosulfan sulfate	16.7	19.6		ug/Kg		118	49 - 124
Endrin	16.7	15.3		ug/Kg		92	58 - 120
Endrin aldehyde	16.7	13.4		ug/Kg		80	37 - 121
Endrin ketone	16.7	16.5		ug/Kg		99	46 - 123

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-588984/2-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.7	13.4		ug/Kg		80	50 - 120
Heptachlor	16.7	14.5		ug/Kg		87	50 - 120
Heptachlor epoxide	16.7	14.7		ug/Kg		88	50 - 120
Methoxychlor	16.7	18.3		ug/Kg		110	58 - 133
trans-Chlordane	16.7	15.3		ug/Kg		92	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	94		45 - 120
DCB Decachlorobiphenyl	106		45 - 120
Tetrachloro-m-xylene	94		30 - 124
Tetrachloro-m-xylene	91		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-588675/1-A
Matrix: Solid
Analysis Batch: 588883

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588675

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.039	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1221	0.20	U	0.20	0.039	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1232	0.20	U	0.20	0.039	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1242	0.20	U	0.20	0.039	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1248	0.20	U	0.20	0.039	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1254	0.20	U	0.20	0.092	mg/Kg		07/12/21 07:56	07/13/21 12:41	1
PCB-1260	0.20	U	0.20	0.092	mg/Kg		07/12/21 07:56	07/13/21 12:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	07/12/21 07:56	07/13/21 12:41	1
Tetrachloro-m-xylene	112		60 - 154	07/12/21 07:56	07/13/21 12:41	1
DCB Decachlorobiphenyl	114		65 - 174	07/12/21 07:56	07/13/21 12:41	1
DCB Decachlorobiphenyl	112		65 - 174	07/12/21 07:56	07/13/21 12:41	1

Lab Sample ID: LCS 480-588675/2-A
Matrix: Solid
Analysis Batch: 588883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588675

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.98	2.21		mg/Kg		112	51 - 185
PCB-1260	1.98	2.35		mg/Kg		119	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	118		60 - 154
Tetrachloro-m-xylene	121		60 - 154
DCB Decachlorobiphenyl	123		65 - 174
DCB Decachlorobiphenyl	121		65 - 174

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589113/1-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589113

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		07/15/21 06:45	07/19/21 09:25	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		07/15/21 06:45	07/19/21 09:25	1
Surrogate	MB MB		Limits			D	Prepared	Analyzed	Dil Fac
%Recovery	Qualifier								
2,4-Dichlorophenylacetic acid	67		28 - 129				07/15/21 06:45	07/19/21 09:25	1
2,4-Dichlorophenylacetic acid	61		28 - 129				07/15/21 06:45	07/19/21 09:25	1

Lab Sample ID: LCS 480-589113/2-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits	
								2,4-D
Silvex (2,4,5-TP)	66.1	56.8		ug/Kg		86	39 - 125	
Surrogate	LCS LCS		Limits			D	%Rec	%Rec. Limits
%Recovery	Qualifier							
2,4-Dichlorophenylacetic acid	73		28 - 129					
2,4-Dichlorophenylacetic acid	61		28 - 129					

Lab Sample ID: 480-186910-3 MS
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: B-21-24 (4-5) (07062021)
Prep Type: Total/NA
Prep Batch: 589113

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	20	U	81.3	65.2		ug/Kg	☼	80	22 - 140
Surrogate	MS MS		Limits			D	%Rec	%Rec. Limits	
%Recovery	Qualifier								
2,4-Dichlorophenylacetic acid	67		28 - 129						
2,4-Dichlorophenylacetic acid	61		28 - 129						

Lab Sample ID: 480-186910-3 MSD
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: B-21-24 (4-5) (07062021)
Prep Type: Total/NA
Prep Batch: 589113

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	
										RPD	Limit
2,4-D	20	U	79.3	59.8		ug/Kg	☼	75	32 - 115	0	50
Silvex (2,4,5-TP)	20	U	79.3	64.6		ug/Kg	☼	81	22 - 140	1	50
Surrogate	MSD MSD		Limits			D	%Rec	%Rec. Limits			
%Recovery	Qualifier										
2,4-Dichlorophenylacetic acid	67		28 - 129								
2,4-Dichlorophenylacetic acid	60		28 - 129								

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-168966/1-A
Matrix: Solid
Analysis Batch: 169037

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 168966

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		07/12/21 09:54	07/13/21 16:27	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/12/21 09:54	07/13/21 16:27	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	91		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C2 PFDoA	90		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C2 PFHxA	98		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C2 PFTeDA	84		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C2 PFUnA	87		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C3 PFBS	95		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C4 PFBA	94		25 - 150	07/12/21 09:54	07/13/21 16:27	1
13C4 PFHpA	94		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C4 PFOA	97		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C4 PFOS	98		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C5 PFNA	91		50 - 150	07/12/21 09:54	07/13/21 16:27	1
13C5 PFPeA	97		25 - 150	07/12/21 09:54	07/13/21 16:27	1
13C8 FOSA	85		25 - 150	07/12/21 09:54	07/13/21 16:27	1
18O2 PFHxS	97		50 - 150	07/12/21 09:54	07/13/21 16:27	1
d3-NMeFOSAA	91		50 - 150	07/12/21 09:54	07/13/21 16:27	1
d5-NEtFOSAA	92		50 - 150	07/12/21 09:54	07/13/21 16:27	1
M2-6:2 FTS	100		25 - 150	07/12/21 09:54	07/13/21 16:27	1
M2-8:2 FTS	100		25 - 150	07/12/21 09:54	07/13/21 16:27	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-168966/2-A
Matrix: Solid
Analysis Batch: 169037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	2.35		ug/Kg		122	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	2.13		ug/Kg		112	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.51		ug/Kg		126	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.00	2.44		ug/Kg		122	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	2.16		ug/Kg		122	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.34		ug/Kg		117	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.99		ug/Kg		103	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.22		ug/Kg		111	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.47		ug/Kg		123	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.30		ug/Kg		121	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	2.17		ug/Kg		109	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	2.00		ug/Kg		110	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.44		ug/Kg		122	70 - 130
Perfluorononanoic acid (PFNA)	2.00	2.30		ug/Kg		115	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.34		ug/Kg		117	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	2.07		ug/Kg		112	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	2.35		ug/Kg		117	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	2.37		ug/Kg		118	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.36		ug/Kg		118	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.34		ug/Kg		117	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.37		ug/Kg		118	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	92		50 - 150
13C2 PFDoA	75		50 - 150
13C2 PFHxA	93		50 - 150
13C2 PFTeDA	82		50 - 150
13C2 PFUnA	80		50 - 150
13C3 PFBS	91		50 - 150
13C4 PFBA	95		25 - 150
13C4 PFHpA	97		50 - 150
13C4 PFOA	93		50 - 150
13C4 PFOS	91		50 - 150
13C5 PFNA	94		50 - 150
13C5 PFPeA	93		25 - 150
13C8 FOSA	78		25 - 150
18O2 PFHxS	97		50 - 150
d3-NMeFOSAA	86		50 - 150

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-168966/2-A
Matrix: Solid
Analysis Batch: 169037

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 168966

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	77		50 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	97		25 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-588541/1-A
Matrix: Solid
Analysis Batch: 588829

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588541

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	9.8	U	9.8	4.3	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Antimony	14.6	U	14.6	0.39	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Arsenic	2.0	U	2.0	0.39	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Barium	0.49	U ^	0.49	0.11	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Beryllium	0.20	U	0.20	0.027	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Cadmium	0.20	U	0.20	0.029	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Calcium	4.19	J	48.8	3.2	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Chromium	0.49	U	0.49	0.20	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Cobalt	0.49	U	0.49	0.049	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Copper	0.98	U	0.98	0.20	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Iron	9.8	U	9.8	3.4	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Lead	0.98	U	0.98	0.23	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Magnesium	19.5	U	19.5	0.90	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Manganese	0.20	U	0.20	0.031	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Nickel	4.9	U	4.9	0.22	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Potassium	29.3	U	29.3	19.5	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Selenium	3.9	U	3.9	0.39	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Silver	0.59	U	0.59	0.20	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Sodium	137	U	137	12.7	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Thallium	5.9	U	5.9	0.29	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Vanadium	0.49	U	0.49	0.11	mg/Kg		07/09/21 15:50	07/13/21 00:41	1
Zinc	2.0	U	2.0	0.62	mg/Kg		07/09/21 15:50	07/13/21 00:41	1

Lab Sample ID: LCSSRM 480-588541/2-A
Matrix: Solid
Analysis Batch: 588829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588541

Analyte	Spike Added	LCSSRM LCSSRM		Unit	D	%Rec	Limits
		Result	Qualifier				
Aluminum	8190	8459		mg/Kg		103.3	50.1 - 150. 2
Antimony	110	77.48		mg/Kg		70.4	22.2 - 254. 5
Arsenic	162	130.8		mg/Kg		80.7	70.4 - 130. 2
Barium	138	114.3	^	mg/Kg		82.8	74.6 - 124. 6
Beryllium	157	145.0		mg/Kg		92.3	75.2 - 125. 5
Cadmium	135	116.2		mg/Kg		86.1	74.8 - 124. 4

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-588541/2-A
Matrix: Solid
Analysis Batch: 588829

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588541

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	4790	4262		mg/Kg		89.0	72.7 - 127.3
Chromium	117	101.6		mg/Kg		86.9	70.1 - 129.9
Cobalt	92.6	90.25		mg/Kg		97.5	75.1 - 125.3
Copper	143	115.5		mg/Kg		80.8	74.8 - 124.5
Iron	15100	11670		mg/Kg		77.3	37.2 - 162.9
Lead	77.6	72.04		mg/Kg		92.8	68.8 - 131.4
Magnesium	2320	2053		mg/Kg		88.5	62.1 - 137.9
Manganese	319	281.8		mg/Kg		88.3	74.9 - 125.1
Nickel	79.9	79.09		mg/Kg		99.0	70.0 - 130.2
Potassium	2050	1869		mg/Kg		91.2	59.5 - 141.0
Selenium	172	145.1		mg/Kg		84.3	68.0 - 132.6
Silver	24.7	20.72		mg/Kg		83.9	67.2 - 133.2
Sodium	137	141.5		mg/Kg		103.3	35.8 - 164.2
Thallium	88.0	83.92		mg/Kg		95.4	66.0 - 134.1
Vanadium	99.9	86.55		mg/Kg		86.6	67.4 - 132.1
Zinc	312	273.0		mg/Kg		87.5	69.9 - 129.8

Lab Sample ID: 480-186910-10 MS
Matrix: Solid
Analysis Batch: 588829

Client Sample ID: B-21-22 (4-5) (07072021)
Prep Type: Total/NA
Prep Batch: 588541

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6820	TH	2580	24520	TH	mg/Kg	✱	685	75 - 125
Antimony	17.4	U TL	51.6	26.45	TL	mg/Kg	✱	51	75 - 125
Arsenic	5.0		51.6	51.31		mg/Kg	✱	90	75 - 125
Barium	17.3	^ TH	51.6	93.71	^ TH	mg/Kg	✱	148	75 - 125
Beryllium	0.42		51.6	46.27		mg/Kg	✱	89	75 - 125
Cadmium	0.063	J	51.6	46.76		mg/Kg	✱	91	75 - 125
Chromium	7.3		51.6	61.32		mg/Kg	✱	105	75 - 125
Cobalt	6.6		51.6	56.44		mg/Kg	✱	97	75 - 125
Iron	11700		2580	14710	4	mg/Kg	✱	116	75 - 125
Lead	30.1		51.6	80.53		mg/Kg	✱	98	75 - 125
Magnesium	15800		2580	20540	4	mg/Kg	✱	183	75 - 125
Manganese	355	TL	51.6	382.2	4	mg/Kg	✱	52	75 - 125
Nickel	14.7		51.6	63.46		mg/Kg	✱	95	75 - 125
Potassium	2980	TH	2580	11760	TH	mg/Kg	✱	340	75 - 125
Selenium	4.6	U	51.6	44.93		mg/Kg	✱	87	75 - 125

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-186910-10 MS

Matrix: Solid
Analysis Batch: 588829

Client Sample ID: B-21-22 (4-5) (07072021)

Prep Type: Total/NA
Prep Batch: 588541

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Silver	0.35	J	12.9	12.95		mg/Kg	⊛	98		75 - 125
Sodium	129	J	2580	2579		mg/Kg	⊛	95		75 - 125
Thallium	7.0	U	51.6	50.43		mg/Kg	⊛	98		75 - 125
Vanadium	8.4		51.6	68.60		mg/Kg	⊛	117		75 - 125
Zinc	30.8		51.6	89.61		mg/Kg	⊛	114		75 - 125

Lab Sample ID: 480-186910-10 MS

Matrix: Solid
Analysis Batch: 589025

Client Sample ID: B-21-22 (4-5) (07072021)

Prep Type: Total/NA
Prep Batch: 588541

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Calcium	196000	B TL	2580	168800	4	mg/Kg	⊛	-1055		75 - 125
Copper	9.3		51.6	49.06		mg/Kg	⊛	77		75 - 125

Lab Sample ID: 480-186910-10 MSD

Matrix: Solid
Analysis Batch: 588829

Client Sample ID: B-21-22 (4-5) (07072021)

Prep Type: Total/NA
Prep Batch: 588541

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Aluminum	6820	TH	2530	25670	TH	mg/Kg	⊛	744		75 - 125	5	20
Antimony	17.4	U TL	50.6	26.99	TL	mg/Kg	⊛	53		75 - 125	2	20
Arsenic	5.0		50.6	50.58		mg/Kg	⊛	90		75 - 125	1	20
Barium	17.3	^ TH	50.6	95.33	^ TH	mg/Kg	⊛	154		75 - 125	2	20
Beryllium	0.42		50.6	45.71		mg/Kg	⊛	89		75 - 125	1	20
Cadmium	0.063	J	50.6	45.70		mg/Kg	⊛	90		75 - 125	2	20
Chromium	7.3		50.6	61.01		mg/Kg	⊛	106		75 - 125	0	20
Cobalt	6.6		50.6	55.49		mg/Kg	⊛	97		75 - 125	2	20
Iron	11700		2530	15630	4	mg/Kg	⊛	155		75 - 125	6	20
Lead	30.1		50.6	76.50		mg/Kg	⊛	92		75 - 125	5	20
Magnesium	15800		2530	19570	4	mg/Kg	⊛	148		75 - 125	5	20
Manganese	355	TL	50.6	346.1	4	mg/Kg	⊛	-18		75 - 125	10	20
Nickel	14.7		50.6	62.13		mg/Kg	⊛	94		75 - 125	2	20
Potassium	2980	TH	2530	12000	TH	mg/Kg	⊛	356		75 - 125	2	20
Selenium	4.6	U	50.6	44.12		mg/Kg	⊛	87		75 - 125	2	20
Silver	0.35	J	12.7	12.69		mg/Kg	⊛	98		75 - 125	2	20
Sodium	129	J	2540	2545		mg/Kg	⊛	95		75 - 125	1	20
Thallium	7.0	U	50.6	49.23		mg/Kg	⊛	97		75 - 125	2	20
Vanadium	8.4		50.6	68.63		mg/Kg	⊛	119		75 - 125	0	20
Zinc	30.8		50.6	92.20		mg/Kg	⊛	121		75 - 125	3	20

Lab Sample ID: 480-186910-10 MSD

Matrix: Solid
Analysis Batch: 589025

Client Sample ID: B-21-22 (4-5) (07072021)

Prep Type: Total/NA
Prep Batch: 588541

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
Calcium	196000	B TL	2530	156800	4	mg/Kg	⊛	-1548		75 - 125	7	20
Copper	9.3		50.6	47.42		mg/Kg	⊛	75		75 - 125	3	20

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-588470/1-A
 Matrix: Solid
 Analysis Batch: 588606

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 588470

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0039	mg/Kg		07/09/21 13:50	07/09/21 15:14	1

Lab Sample ID: LCSSRM 480-588470/2-A ^10
 Matrix: Solid
 Analysis Batch: 588606

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 588470

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	24.10		mg/Kg		88.6	59.9 - 140. 1

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-169284/5
 Matrix: Solid
 Analysis Batch: 169284

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			07/20/21 15:25	1

Lab Sample ID: LCS 200-169284/6
 Matrix: Solid
 Analysis Batch: 169284

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	7625		mg/Kg		92	75 - 125

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

GC/MS VOA

Prep Batch: 588468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-1	B-21-23 (1-2) (07062021)	Total/NA	Solid	5035A_L	
480-186910-2	B-21-24 (9-10) (07062021)	Total/NA	Solid	5035A_L	
480-186910-4	B-21-14 (10-11) (07062021)	Total/NA	Solid	5035A_L	
480-186910-7	B-21-10 (7-8) (07072021)	Total/NA	Solid	5035A_L	
480-186910-8	B-21-21 (8-9) (07072021)	Total/NA	Solid	5035A_L	
480-186910-9	B-21-20 (8-9) (07072021)	Total/NA	Solid	5035A_L	
480-186910-11	B-21-22 (8-9) (07072021)	Total/NA	Solid	5035A_L	
480-186910-12	B-21-7 (6-7) (07072021)	Total/NA	Solid	5035A_L	
MB 480-588468/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-588468/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 588473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-1	B-21-23 (1-2) (07062021)	Total/NA	Solid	8260C	588468
480-186910-2	B-21-24 (9-10) (07062021)	Total/NA	Solid	8260C	588468
480-186910-4	B-21-14 (10-11) (07062021)	Total/NA	Solid	8260C	588468
480-186910-7	B-21-10 (7-8) (07072021)	Total/NA	Solid	8260C	588468
480-186910-8	B-21-21 (8-9) (07072021)	Total/NA	Solid	8260C	588468
480-186910-9	B-21-20 (8-9) (07072021)	Total/NA	Solid	8260C	588468
480-186910-11	B-21-22 (8-9) (07072021)	Total/NA	Solid	8260C	588468
480-186910-12	B-21-7 (6-7) (07072021)	Total/NA	Solid	8260C	588468
MB 480-588468/2-A	Method Blank	Total/NA	Solid	8260C	588468
LCS 480-588468/1-A	Lab Control Sample	Total/NA	Solid	8260C	588468

GC/MS Semi VOA

Prep Batch: 588917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	3550C	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	3550C	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	3550C	
MB 480-588917/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588917/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 589324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	8270D	588917
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	8270D	588917
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	8270D	588917
MB 480-588917/1-A	Method Blank	Total/NA	Solid	8270D	588917
LCS 480-588917/2-A	Lab Control Sample	Total/NA	Solid	8270D	588917

GC Semi VOA

Prep Batch: 588675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	3550C	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	3550C	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	3550C	
MB 480-588675/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588675/2-A	Lab Control Sample	Total/NA	Solid	3550C	

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QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

GC Semi VOA

Analysis Batch: 588883

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	8082A	588675
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	8082A	588675
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	8082A	588675
MB 480-588675/1-A	Method Blank	Total/NA	Solid	8082A	588675
LCS 480-588675/2-A	Lab Control Sample	Total/NA	Solid	8082A	588675

Prep Batch: 588984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	3550C	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	3550C	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	3550C	
MB 480-588984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588984/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 589113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	8151A	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	8151A	
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-186910-3 MS	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	
480-186910-3 MSD	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	

Analysis Batch: 589118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	8081B	588984
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	8081B	588984
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	8081B	588984
MB 480-588984/1-A	Method Blank	Total/NA	Solid	8081B	588984
LCS 480-588984/2-A	Lab Control Sample	Total/NA	Solid	8081B	588984

Analysis Batch: 589497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	589113
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	8151A	589113
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	8151A	589113
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	589113
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	589113
480-186910-3 MS	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	589113
480-186910-3 MSD	B-21-24 (4-5) (07062021)	Total/NA	Solid	8151A	589113

LCMS

Prep Batch: 168966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-6	B-21-10 (2-3) (07072021)	Total/NA	Solid	SHAKE	
MB 200-168966/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-168966/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

LCMS

Analysis Batch: 169037

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-6	B-21-10 (2-3) (07072021)	Total/NA	Solid	537 (modified)	168966
MB 200-168966/1-A	Method Blank	Total/NA	Solid	537 (modified)	168966
LCS 200-168966/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	168966

Metals

Prep Batch: 588470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	7471B	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	7471B	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	7471B	
MB 480-588470/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-588470/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 588541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	3050B	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	3050B	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	3050B	
MB 480-588541/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-588541/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-186910-10 MS	B-21-22 (4-5) (07072021)	Total/NA	Solid	3050B	
480-186910-10 MSD	B-21-22 (4-5) (07072021)	Total/NA	Solid	3050B	

Analysis Batch: 588606

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	7471B	588470
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	7471B	588470
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	7471B	588470
MB 480-588470/1-A	Method Blank	Total/NA	Solid	7471B	588470
LCSSRM 480-588470/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	588470

Analysis Batch: 588829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	6010C	588541
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	6010C	588541
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541
MB 480-588541/1-A	Method Blank	Total/NA	Solid	6010C	588541
LCSSRM 480-588541/2-A	Lab Control Sample	Total/NA	Solid	6010C	588541
480-186910-10 MS	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541
480-186910-10 MSD	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541

Analysis Batch: 589025

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	6010C	588541
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	6010C	588541
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541
480-186910-10 MS	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541
480-186910-10 MSD	B-21-22 (4-5) (07072021)	Total/NA	Solid	6010C	588541

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

General Chemistry

Analysis Batch: 168999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-6	B-21-10 (2-3) (07072021)	Total/NA	Solid	Moisture	

Analysis Batch: 169284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-6	B-21-10 (2-3) (07072021)	Total/NA	Solid	Lloyd Kahn	
MB 200-169284/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-169284/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 588456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186910-1	B-21-23 (1-2) (07062021)	Total/NA	Solid	Moisture	
480-186910-2	B-21-24 (9-10) (07062021)	Total/NA	Solid	Moisture	
480-186910-3	B-21-24 (4-5) (07062021)	Total/NA	Solid	Moisture	
480-186910-4	B-21-14 (10-11) (07062021)	Total/NA	Solid	Moisture	
480-186910-5	B-21-14 (1-2) (07062021)	Total/NA	Solid	Moisture	
480-186910-7	B-21-10 (7-8) (07072021)	Total/NA	Solid	Moisture	
480-186910-8	B-21-21 (8-9) (07072021)	Total/NA	Solid	Moisture	
480-186910-9	B-21-20 (8-9) (07072021)	Total/NA	Solid	Moisture	
480-186910-10	B-21-22 (4-5) (07072021)	Total/NA	Solid	Moisture	
480-186910-11	B-21-22 (8-9) (07072021)	Total/NA	Solid	Moisture	
480-186910-12	B-21-7 (6-7) (07072021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-23 (1-2) (07062021)

Lab Sample ID: 480-186910-1

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-23 (1-2) (07062021)

Lab Sample ID: 480-186910-1

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 21:26	WJD	TAL BUF

Client Sample ID: B-21-24 (9-10) (07062021)

Lab Sample ID: 480-186910-2

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-24 (9-10) (07062021)

Lab Sample ID: 480-186910-2

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 21:50	WJD	TAL BUF

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589324	07/16/21 22:30	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 10:48	JLS	TAL BUF
Total/NA	Prep	3550C			588675	07/12/21 07:56	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588883	07/13/21 15:53	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 15:52	JLS	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-24 (4-5) (07062021)

Lab Sample ID: 480-186910-3

Date Collected: 07/06/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588829	07/13/21 01:11	AMH	TAL BUF
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		5	589025	07/13/21 11:57	LMH	TAL BUF
Total/NA	Prep	7471B			588470	07/09/21 13:50	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588606	07/09/21 15:29	BMB	TAL BUF

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-14 (10-11) (07062021)

Lab Sample ID: 480-186910-4

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 90.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 22:15	WJD	TAL BUF

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589324	07/16/21 22:56	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 11:08	JLS	TAL BUF
Total/NA	Prep	3550C			588675	07/12/21 07:56	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588883	07/13/21 16:05	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 16:52	JLS	TAL BUF
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588829	07/13/21 01:26	AMH	TAL BUF
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		5	589025	07/13/21 12:01	LMH	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-14 (1-2) (07062021)

Lab Sample ID: 480-186910-5

Date Collected: 07/06/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			588470	07/09/21 13:50	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588606	07/09/21 15:31	BMB	TAL BUF

Client Sample ID: B-21-10 (2-3) (07072021)

Lab Sample ID: 480-186910-6

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169284	07/20/21 15:46	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	168999	07/12/21 17:47	LEE	TAL BUR

Client Sample ID: B-21-10 (2-3) (07072021)

Lab Sample ID: 480-186910-6

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			168966	07/12/21 09:54	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	169037	07/13/21 18:31	ND	TAL BUR

Client Sample ID: B-21-10 (7-8) (07072021)

Lab Sample ID: 480-186910-7

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-10 (7-8) (07072021)

Lab Sample ID: 480-186910-7

Date Collected: 07/07/21 09:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 22:40	WJD	TAL BUF

Client Sample ID: B-21-21 (8-9) (07072021)

Lab Sample ID: 480-186910-8

Date Collected: 07/07/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-21 (8-9) (07072021)

Lab Sample ID: 480-186910-8

Date Collected: 07/07/21 11:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 23:05	WJD	TAL BUF

Client Sample ID: B-21-20 (8-9) (07072021)

Lab Sample ID: 480-186910-9

Date Collected: 07/07/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-20 (8-9) (07072021)

Lab Sample ID: 480-186910-9

Date Collected: 07/07/21 12:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 23:29	WJD	TAL BUF

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-22 (4-5) (07072021)

Lab Sample ID: 480-186910-10

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589324	07/16/21 23:20	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 11:27	JLS	TAL BUF
Total/NA	Prep	3550C			588675	07/12/21 07:56	VXF	TAL BUF
Total/NA	Analysis	8082A		1	588883	07/13/21 16:18	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 17:22	JLS	TAL BUF
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		1	588829	07/13/21 01:30	AMH	TAL BUF
Total/NA	Prep	3050B			588541	07/09/21 15:50	ADM	TAL BUF
Total/NA	Analysis	6010C		5	589025	07/13/21 12:05	LMH	TAL BUF
Total/NA	Prep	7471B			588470	07/09/21 13:50	BMB	TAL BUF
Total/NA	Analysis	7471B		1	588606	07/09/21 15:32	BMB	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-22 (8-9) (07072021)

Lab Sample ID: 480-186910-11

Date Collected: 07/07/21 13:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/08/21 23:54	WJD	TAL BUF

Client Sample ID: B-21-7 (6-7) (07072021)

Lab Sample ID: 480-186910-12

Date Collected: 07/07/21 14:00

Matrix: Solid

Date Received: 07/08/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588456	07/08/21 16:37	IMZ	TAL BUF

Client Sample ID: B-21-7 (6-7) (07072021)

Lab Sample ID: 480-186910-12

Date Collected: 07/07/21 14:00

Matrix: Solid

Date Received: 07/08/21 08:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588468	07/08/21 09:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588473	07/09/21 00:18	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date												
New York	NELAP	10026	04-01-22												
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Analysis Method</th> <th style="text-align: left;">Prep Method</th> <th style="text-align: left;">Matrix</th> <th style="text-align: left;">Analyte</th> </tr> </thead> <tbody> <tr> <td>Moisture</td> <td></td> <td>Solid</td> <td>Percent Moisture</td> </tr> <tr> <td>Moisture</td> <td></td> <td>Solid</td> <td>Percent Solids</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	Moisture		Solid	Percent Moisture	Moisture		Solid	Percent Solids
Analysis Method	Prep Method	Matrix	Analyte												
Moisture		Solid	Percent Moisture												
Moisture		Solid	Percent Solids												

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date																																																																																												
New York	NELAP	10391	04-01-22																																																																																												
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Moisture		Solid	Percent Solids																																																																																												

Method Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUR
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186910-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-186910-1	B-21-23 (1-2) (07062021)	Solid	07/06/21 11:00	07/08/21 08:00
480-186910-2	B-21-24 (9-10) (07062021)	Solid	07/06/21 11:00	07/08/21 08:00
480-186910-3	B-21-24 (4-5) (07062021)	Solid	07/06/21 11:00	07/08/21 08:00
480-186910-4	B-21-14 (10-11) (07062021)	Solid	07/06/21 12:00	07/08/21 08:00
480-186910-5	B-21-14 (1-2) (07062021)	Solid	07/06/21 12:00	07/08/21 08:00
480-186910-6	B-21-10 (2-3) (07072021)	Solid	07/07/21 09:00	07/08/21 08:00
480-186910-7	B-21-10 (7-8) (07072021)	Solid	07/07/21 09:00	07/08/21 08:00
480-186910-8	B-21-21 (8-9) (07072021)	Solid	07/07/21 11:00	07/08/21 08:00
480-186910-9	B-21-20 (8-9) (07072021)	Solid	07/07/21 12:00	07/08/21 08:00
480-186910-10	B-21-22 (4-5) (07072021)	Solid	07/07/21 13:00	07/08/21 08:00
480-186910-11	B-21-22 (8-9) (07072021)	Solid	07/07/21 13:00	07/08/21 08:00
480-186910-12	B-21-7 (6-7) (07072021)	Solid	07/07/21 14:00	07/08/21 08:00



Chain of Custody Record

Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: Li-Cycle: Lidestri-Ridgeway Property
 Site:

SHORT HOLD

Due Date Requested:
 TAT Requested (days):
 Compliance Project: Yes No
 PO #:
 Purchase Order Requested
 WO #:
 Project #:
 48023985
 SSOW#:

Syracuse
 State of New York
 #225

COC No: 480-162431-35686.2
 Page: Page 2 of 4
 Job #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=material, T=tissue, A=air)	Field Filtered Sample (Yes or No)		Perform MS/MS (Yes or No)		8260C - TCL VOCs + 10 TTCs		PFC, IDA - PFA's, Standard List (21 analytes)		Lloyd_Kahn - TOC by Lloyd Kahn		Total Number of containers	Special Instructions/Note:
					Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	8260C - TCL VOCs + 10 TTCs	PFC, IDA - PFA's, Standard List (21 analytes)	Lloyd_Kahn - TOC by Lloyd Kahn	Total Number of containers						
B-21-23(1-2)(07062021)	7/6/21	1000	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-24(9-10)(07062021)	7/6/21	1100	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-24(4-5)(07062021)	7/6/21	1100	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-14(10-11)(07062021)	7/6/21	1200	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-14(1-2)(07062021)	7/6/21	1200	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-10(2-3)(07072021)	7/7/21	0900	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-10(7-8)(07072021)	7/7/21	0900	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-21(8-9)(07072021)	7/7/21	1100	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-20(8-9)(07072021)	7/7/21	1200	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-22(4-5)(07072021)	7/7/21	1300	G	Solid	X	X	X	X	X	X	X	X	X	X		
B-21-22(8-9)(07072021)	7/7/21	1300	G	Solid	X	X	X	X	X	X	X	X	X	X		



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) ASP-Cur B + ERM EPP

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: [Signature] Date/Time: 7/21/2021 1400 Company: ES-SYN

Relinquished by: [Signature] Date/Time: 7/21/2021 0800 Company: JFA

Relinquished by: [Signature] Date/Time: 7/21/2021 0800 Company: JFA

Custody Seals Intact: Yes No Δ

Custody Seal No.: 28 #1

Special Instructions/QC Requirements: Return To Client Disposal By Lab Archive For _____ Months

Method of Shipment: _____

Chain of Custody Record



Syracuse
Cargo Tracking No(s):

COC No:
480-162431-35686.3

Page:
Page 3 of 4

Job #:

State: **#225**

Lab PM:
Schove, John R

E-Mail:
John.Schove@Eurofinset.com

Sampler:
J. Reynolds

Phone:
716-765-5369

PWSID:

Due Date Requested:

TAT Requested (days):

Compliance Project: Yes No

PO #:

Purchase Order Requested

WO #:

Project #:

48023985

SSOW#:

Address:
5784 Widewaters Pkwy

City:
Dewitt

State, Zip:
NY, 13214

Phone:
315-445-2543(Tel)

Email:
robert.sents@erm.com

Project Name:
Li-Cycle: Lidestri-Ridgeway Property

Site:



Analysis Requested

Field Filtered Sample (Yes or No)

8260C - TCL VOCs + 10 TTCs

6010C, 7471B

8082B, 8082A, 8151A, 8270D

PFC, IDA - PFAS, Standard List (21 analytes)

Lloyd Kahn - TOC by Lloyd Kahn

Total Number of Containers

Special Instructions/Note:

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Other:

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO4
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4.5
Z - other (specify)

Sample Identification

B-21-766-7X07070201

Sample Date

7/21/2020

Sample Time

1:00 PM

Sample Type (C=Comp, G=grab)

C

Matrix (W=water, S=solid, O=metallic, B=Tissue, A=Air)

Solid

Preservation Code:

C

Field Filtered Sample (Yes or No)

X

8260C - TCL VOCs + 10 TTCs

6010C, 7471B

8082B, 8082A, 8151A, 8270D

PFC, IDA - PFAS, Standard List (21 analytes)

Lloyd Kahn - TOC by Lloyd Kahn

Total Number of Containers

Special Instructions/Note:

Preservation Codes:

A - HCL
B - NaOH
C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid
I - Ice
J - DI Water
K - EDTA
L - EDA
Other:

M - Hexane
N - None
O - AsNaO2
P - Na2O4S
Q - Na2SO3
R - Na2SO4
S - H2SO4
T - TSP Dodecahydrate
U - Acetone
V - MCAA
W - pH 4.5
Z - other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Time:

Method of Shipment:

Relinquished by:

Date/Time:

Relinquished by:

Date/Time:

Relinquished by:

Date/Time:

Custody Seals Intact: Yes No

Custody Seal No.:

Received by:

Date/Time:

Received by:

Date/Time:

Received by:

Date/Time:

Cooler Temperature(s) °C and Other Remarks:

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AFS → BKT from Syn. Re

Syracuse
 Environmental Testing

Lab Pk: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 State of NY: #225
 COC No: 480-162431-35686.2
 Page: Page 2 of 4
 Job #:
 PWSID:
 Sample: Reynolds
 Phone: 416-725-5367
 Mr. Robert Sents
 ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543 (Tel)
 Email: robert.sents@erm.com
 Project Name: 48023985
 LI-Cycle: Lidesfri-Ridgeway Property
 Site:
 SOW#:
 Compliance Project: Yes No
 Purchase Order Requested
 Due Date Requested:
 TAT Requested (days):
 Project #:
 SOW#:
 Project Name:
 LI-Cycle:
 Site:
 Project #:
 SOW#:
 Compliance Project: Yes No
 Purchase Order Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, G=grab)	Preservation Code	Analysis Requested										Special Instructions/Note:
						Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TICs	6010C, 7471B	6081B, 6082A, 8151A, 8270D	PFC, IDA - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	Total Number of Containers	Preservation Codes:			
B-21-23 (1-2) (07062021)	7/16/21	1600	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-24 (9-10) (07062021)	7/16/21	1100	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-24 (4-5) (07062021)	7/16/21	1100	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-14 (10-11) (07062021)	7/16/21	1200	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-14 (1-2) (07062021)	7/16/21	0900	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-10 (2-3) (07072021)	7/17/21	0900	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-10 (7-8) (07072021)	7/17/21	0900	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-21 (8-9) (07072021)	7/17/21	1100	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-20 (8-9) (07072021)	7/17/21	1200	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-22 (4-5) (07072021)	7/17/21	1300	G	Solid		X	X	X	X	X	X	X	X	X		
B-21-22 (8-9) (07072021)	7/17/21	1300	G	Solid		X	X	X	X	X	X	X	X	X		

480-186910 COC

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements:

Received by: *[Signature]* Date/Time: 7/17/21 1400 Company: ES-SYN
 Received by: *[Signature]* Date/Time: 7/21/21 1135 Company: ETAGUN
 Received by: *[Signature]* Date/Time: 7/18/21 Company:
 Cooler Temperature(s) °C and Other Remarks:
 ASP - Cx B + ERM ERD

Chain of Custody Record

Syracuse

Client Information Client Contact: Mr. Robert Sents Company: ERM-Northeast Address: 5784 Widewaters Pkwy City: Dewitt State, Zip: NY, 13214 Phone: 315-445-2543 (Tel) Email: robert.sents@erm.com Project Name: LI-Cycle: Lidestr-Ridgeway Property Site:		Lab PM: Schove, John R E-Mail: John.Schove@Eurofinset.com State: #225 Page: 3 of 4 Job #:	
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Purchase Order Requested PO #: WO #: Project #: 48023985 SSOW#:		Analysis Requested Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> 8260C - TCL VOCs + 10 TCS <input checked="" type="checkbox"/> 6010C, 7471B <input checked="" type="checkbox"/> 8081B, 8082A, 8151A, 8270D <input checked="" type="checkbox"/> PFC, IDA - PFAS, Standard List (21 analytes) <input checked="" type="checkbox"/> Lloyd_Kahn - TOC by Lloyd Kahn <input checked="" type="checkbox"/>	
Sample Identification B-21-A(6-7)(07072021)		Total Number of Containers:	
Sample Date 7/21/2021	Sample Time 1:00 PM	Sample Type (C=Comp, G=grab) G	Matrix (Hexane, NaOH, Nitric Acid, MeOH, Amchlor, Ascorbic Acid, Ice, DI Water, EDTA, EDA, other (specify)) Solid
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/Note: Special Instructions/QC Requirements:	
Empty Kit Relinquished by:		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Relinquished by: [Signature] Date: 7/21/2021		Relinquished by: [Signature] Date: 7/21/2021	
Relinquished by: [Signature] Date: 7/21/2021		Relinquished by: [Signature] Date: 7/21/2021	
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:	



ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 07JUL21
ACTWGT: 5.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

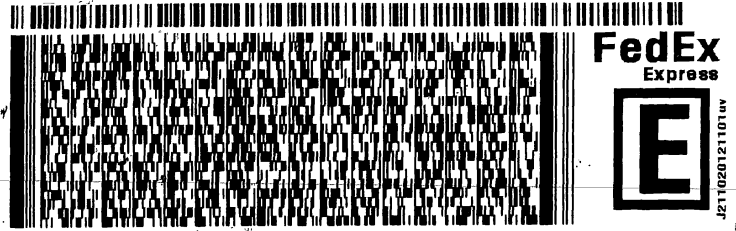
BILL THIRD PARTY

TO **SAMPLE RECEIVING
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11**

SOUTH BURLINGTON VT 05403

(802) 680-1990

REF: **ERM LI - CYCLE 1COOLER**



TRK# 9735 8147 0288

THU - 08 JUL 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT - US BTV



Do Not Lift Using This Tag



Environment Testing
TestAmerica

Printed on 08/11/21 10:30 AM

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

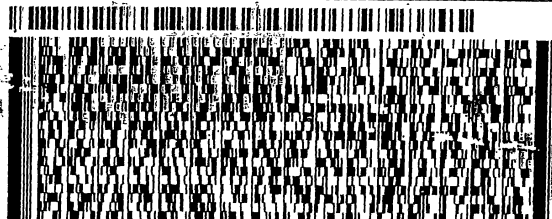
SHIP DATE: 08JUL21
ACTWGT: 19.65 LB
CAD: 846654/CAFE3409
DIMS: 19x15x10 IN

AMHERST, NY 14223
UNITED STATES US

BILL SENDER

TO **SAMPLE MGT.**
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 923-1026
REF: TA BURLINGTON

56062/0665/05AR2



FedEx
Express



J201120121807 JV

TRK# 1888 3864 4984
0201

FRI - 09 JUL 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-186910-1

Login Number: 186910

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	freeze time: 0900
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-186910-1

Login Number: 186910

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/08/21 04:33 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1521478
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.1°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-186960-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Attn: Mr. Robert Sents



*Authorized for release by:
7/21/2021 12:10:18 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit

Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Job ID: 480-186960-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-186960-1

Comments

No additional comments.

Receipt

The samples were received on 7/9/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 4.1° C.

Receipt Exceptions

POINT 2 was deleted from the job, no volume was received.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-588790 recovered above the upper control limit for Chloromethane, Methylene Chloride, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-13 (3-4)(07082021) (480-186960-1), B-21-13 (10-11)(07082021) (480-186960-3), B-21-16 (5-6)(07082021) (480-186960-4), B-21-12 (6-7)(07082021) (480-186960-5) and B-21-12 (9-10)(07082021) (480-186960-6).

Method 8260C: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 480-588798 and analytical batch 480-588790 recovered outside control limits for the following analytes: Methylene Chloride and Chloroethane. These analytes were biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-13 (3-4)(07082021) (480-186960-1), B-21-13 (10-11)(07082021) (480-186960-3), B-21-16 (5-6)(07082021) (480-186960-4), B-21-12 (6-7)(07082021) (480-186960-5) and B-21-12 (9-10)(07082021) (480-186960-6).

Method 8260C: Due to the co-elution of Ethyl Acetate with 2-Butanone in the full spike solution, 2-Butanone exceeded control limits in the laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with batch 480-588790. The following samples were affected : B-21-13 (3-4)(07082021) (480-186960-1), B-21-13 (10-11)(07082021) (480-186960-3), B-21-16 (5-6)(07082021) (480-186960-4), B-21-12 (6-7)(07082021) (480-186960-5) and B-21-12 (9-10)(07082021) (480-186960-6).

Method 8260C: The method blank for preparation batch 480-588798 and analytical batch 480-588790 contained Methylene Chloride above the reporting limit (RL). This compound is considered a common laboratory contaminant. The associated samples were not re-extracted and/or re-analyzed because the concentration of the common lab contaminant in the method blank was less than 5 times the RL. The following samples are affected: B-21-13 (3-4)(07082021) (480-186960-1), B-21-13 (10-11)(07082021) (480-186960-3), B-21-16 (5-6)(07082021) (480-186960-4), B-21-12 (6-7)(07082021) (480-186960-5) and B-21-12 (9-10)(07082021) (480-186960-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) associated with preparation batch 480-588917 and analytical batch 480-589324 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-589324 recovered above the upper control limit for 1,2,4,5-Tetrachlorobenzene, 2-Nitrophenol, 4,6-Dinitro-2-methylphenol, Benzo[g,h,i]perylene, Hexachlorobutadiene, Hexachlorocyclopentadiene and Pentachlorophenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-13 (3-4)(07082021) (480-186960-1), B-21-16 (5-6)(07082021) (480-186960-4) and B-21-12 (6-7)(07082021) (480-186960-5).

Method 8270D: The following sample was diluted due to color, appearance, and viscosity: B-21-12 (6-7)(07082021) (480-186960-5). Elevated reporting limits (RL) are provided.

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Job ID: 480-186960-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: B-21-12 (6-7)(07082021) (480-186960-5). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8151A: The continuing calibration verification (CCV) associated with batch 480-589497 recovered above the upper control limit for Silvex (2,4,5-TP) and 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-13 (3-4)(07082021) (480-186960-1), B-21-16 (5-6)(07082021) (480-186960-4) and B-21-12 (6-7)(07082021) (480-186960-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-13 (3-4)(07082021) (480-186960-1), B-21-16 (5-6)(07082021) (480-186960-4), B-21-12 (6-7)(07082021) (480-186960-5), (LCDSRM 480-588739/23-A), (LCSSRM 480-588739/2-A) and (MB 480-588739/1-A)

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-13 (3-4) (07082021) (480-186960-1), B-21-16 (5-6)(07082021) (480-186960-4) and B-21-12 (6-7)(07082021) (480-186960-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): The method blank for preparation batch 200-169023 and analytical batch 200-169043 contained Perfluorododecanoic acid (PFDoA) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method 537 (modified): The laboratory control sample duplicate (LCSD) for preparation batch 200-169023 and analytical batch 200-169043 recovered outside control limits for the following analyte: Perfluoroundecanoic acid (PFUnA). This analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.39	J	5.3	0.26	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	0.86	J	5.3	0.81	ug/Kg	1	✳	8260C	Total/NA
Toluene	1.1	J	5.3	0.40	ug/Kg	1	✳	8260C	Total/NA
gamma-BHC (Lindane)	0.63	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	12200		12.8	5.6	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.7		2.6	0.51	mg/Kg	1	✳	6010C	Total/NA
Barium	44.0	^	0.64	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.56		0.26	0.036	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.093	J	0.26	0.038	mg/Kg	1	✳	6010C	Total/NA
Calcium	139000		128	8.4	mg/Kg	2	✳	6010C	Total/NA
Chromium	13.0		0.64	0.26	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.9		0.64	0.064	mg/Kg	1	✳	6010C	Total/NA
Copper	16.9		2.6	0.54	mg/Kg	2	✳	6010C	Total/NA
Iron	14100		12.8	4.5	mg/Kg	1	✳	6010C	Total/NA
Lead	21.5		1.3	0.31	mg/Kg	1	✳	6010C	Total/NA
Magnesium	7900		25.5	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	388		0.26	0.041	mg/Kg	1	✳	6010C	Total/NA
Nickel	15.3		6.4	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	4290		38.3	25.5	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.65	J	5.1	0.51	mg/Kg	1	✳	6010C	Total/NA
Sodium	212		179	16.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	17.0		0.64	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	35.7		2.6	0.82	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0095	J	0.023	0.0052	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-13 (10-11)(07082021)

Lab Sample ID: 480-186960-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.63	J	5.0	0.38	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.49	J	2.0	0.41	ug/Kg	1	✳	8081B	Total/NA
beta-BHC	0.41	J	2.0	0.35	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.50	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8680		12.0	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.2		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	27.2	^	0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.50		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	163000		120	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.0		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	8.6		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	10.7		2.4	0.51	mg/Kg	2	✳	6010C	Total/NA
Iron	10900		12.0	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	17.4		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	3240		24.1	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	522		0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	15.3		6.0	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	3890		36.1	24.1	mg/Kg	1	✳	6010C	Total/NA
Sodium	170		169	15.7	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.3		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021) (Continued)

Lab Sample ID: 480-186960-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	18.3		2.4	0.77	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0078	J	0.021	0.0048	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.61	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7170		12.8	5.6	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.3		2.6	0.51	mg/Kg	1	✳	6010C	Total/NA
Barium	20.9	^	0.64	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.37		0.26	0.036	mg/Kg	1	✳	6010C	Total/NA
Calcium	166000		128	8.5	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.8		0.64	0.26	mg/Kg	1	✳	6010C	Total/NA
Cobalt	3.7		0.64	0.064	mg/Kg	1	✳	6010C	Total/NA
Copper	5.0		2.6	0.54	mg/Kg	2	✳	6010C	Total/NA
Iron	8870		12.8	4.5	mg/Kg	1	✳	6010C	Total/NA
Lead	14.5		1.3	0.31	mg/Kg	1	✳	6010C	Total/NA
Magnesium	16900		25.7	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	296		0.26	0.041	mg/Kg	1	✳	6010C	Total/NA
Nickel	9.3		6.4	0.30	mg/Kg	1	✳	6010C	Total/NA
Potassium	3990		38.5	25.7	mg/Kg	1	✳	6010C	Total/NA
Sodium	155	J	180	16.7	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.4		0.64	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.9		2.6	0.82	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-12 (9-10)(07082021)

Lab Sample ID: 480-186960-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.37	J	4.9	0.37	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: EB-01(07082021)

Lab Sample ID: 480-186960-7

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.39	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,1-Dichloroethane	5.3	U	5.3	0.65	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2-Dibromoethane	5.3	U	5.3	0.68	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2-Dichlorobenzene	5.3	U	5.3	0.42	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2-Dichloroethane	5.3	U	5.3	0.27	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,2-Dichloropropane	5.3	U	5.3	2.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
1,4-Dichlorobenzene	5.3	U	5.3	0.74	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
2-Butanone (MEK)	27	U TH	27	1.9	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
2-Hexanone	27	U	27	2.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Acetone	27	U	27	4.5	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Benzene	0.39	J	5.3	0.26	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Bromodichloromethane	5.3	U	5.3	0.71	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Bromoform	5.3	U	5.3	2.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Bromomethane	5.3	U	5.3	0.48	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Carbon disulfide	5.3	U	5.3	2.7	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Carbon tetrachloride	5.3	U	5.3	0.51	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Chlorobenzene	5.3	U	5.3	0.70	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Chloroethane	5.3	U TH	5.3	1.2	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Chloroform	5.3	U	5.3	0.33	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.77	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Cyclohexane	5.3	U	5.3	0.74	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Ethylbenzene	5.3	U	5.3	0.37	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Isopropylbenzene	5.3	U	5.3	0.80	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Methyl acetate	27	U	27	3.2	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Methylcyclohexane	0.86	J	5.3	0.81	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Methylene Chloride	5.3	U TH	5.3	2.4	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Styrene	5.3	U	5.3	0.27	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Tetrachloroethene	5.3	U	5.3	0.71	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Toluene	1.1	J	5.3	0.40	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.55	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Vinyl chloride	5.3	U	5.3	0.65	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1
Xylenes, Total	11	U	11	0.89	ug/Kg	✳	07/09/21 10:00	07/12/21 23:21	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			<i>07/09/21 10:00</i>	<i>07/12/21 23:21</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>114</i>		<i>64 - 126</i>				<i>07/09/21 10:00</i>	<i>07/12/21 23:21</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>99</i>		<i>72 - 126</i>				<i>07/09/21 10:00</i>	<i>07/12/21 23:21</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>104</i>		<i>60 - 140</i>				<i>07/09/21 10:00</i>	<i>07/12/21 23:21</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>				<i>07/09/21 10:00</i>	<i>07/12/21 23:21</i>	<i>1</i>

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
1,4-Dioxane	120	U	120	66	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,3,4,6-Tetrachlorophenol	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4-Dimethylphenol	210	U	210	49	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,4-Dinitrotoluene	210	U	210	42	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Chloronaphthalene	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Chlorophenol	400	U	400	37	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Methylphenol	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
2-Nitrophenol	210	U	210	58	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
3-Nitroaniline	400	U	400	57	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Chloroaniline	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Chlorophenyl phenyl ether	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Acenaphthene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Acetophenone	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Anthracene	210	U	210	51	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Atrazine	210	U	210	71	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzaldehyde	210	U	210	160	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Biphenyl	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Bis(2-chloroethoxy)methane	210	U	210	43	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Bis(2-ethylhexyl) phthalate	210	U	210	70	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Caprolactam	210	U	210	62	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Carbazole	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Chrysene	210	U	210	46	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Fluorene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Indeno[1,2,3-cd]pyrene	210	U	210	25	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Isophorone	210	U	210	43	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Phenanthrene	210	U	210	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Phenol	210	U	210	31	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1
Pyrene	210	U	210	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:35	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2900	T J	ug/Kg	☼	1.89		07/13/21 14:52	07/17/21 00:35	1
Unknown	350	T J	ug/Kg	☼	3.30		07/13/21 14:52	07/17/21 00:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		54 - 120	07/13/21 14:52	07/17/21 00:35	1
2-Fluorobiphenyl (Surr)	92		60 - 120	07/13/21 14:52	07/17/21 00:35	1
2-Fluorophenol (Surr)	82		52 - 120	07/13/21 14:52	07/17/21 00:35	1
Nitrobenzene-d5 (Surr)	81		53 - 120	07/13/21 14:52	07/17/21 00:35	1
Phenol-d5 (Surr)	82		54 - 120	07/13/21 14:52	07/17/21 00:35	1
p-Terphenyl-d14 (Surr)	109		79 - 130	07/13/21 14:52	07/17/21 00:35	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	☼	07/14/21 07:54	07/15/21 13:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
delta-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endrin	2.0	U	2.0	0.39	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
gamma-BHC (Lindane)	0.63	J B	2.0	0.36	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
Toxaphene	20	U	20	12	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	✱	07/14/21 07:54	07/15/21 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		45 - 120	07/14/21 07:54	07/15/21 13:24	1
DCB Decachlorobiphenyl	93		45 - 120	07/14/21 07:54	07/15/21 13:24	1
Tetrachloro-m-xylene	77		30 - 124	07/14/21 07:54	07/15/21 13:24	1
Tetrachloro-m-xylene	69		30 - 124	07/14/21 07:54	07/15/21 13:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	✱	07/13/21 09:52	07/14/21 19:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	100		60 - 154	07/13/21 09:52	07/14/21 19:53	1
Tetrachloro-m-xylene	105		60 - 154	07/13/21 09:52	07/14/21 19:53	1
DCB Decachlorobiphenyl	97		65 - 174	07/13/21 09:52	07/14/21 19:53	1
DCB Decachlorobiphenyl	96		65 - 174	07/13/21 09:52	07/14/21 19:53	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	✱	07/15/21 06:45	07/19/21 17:52	1
Silvex (2,4,5-TP)	20	U	20	7.2	ug/Kg	✱	07/15/21 06:45	07/19/21 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	65		28 - 129	07/15/21 06:45	07/19/21 17:52	1
2,4-Dichlorophenylacetic acid	57		28 - 129	07/15/21 06:45	07/19/21 17:52	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12200		12.8	5.6	mg/Kg	✱	07/13/21 12:48	07/15/21 21:08	1
Antimony	19.2	U	19.2	0.51	mg/Kg	✱	07/13/21 12:48	07/15/21 21:08	1
Arsenic	6.7		2.6	0.51	mg/Kg	✱	07/13/21 12:48	07/15/21 21:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	44.0	^	0.64	0.14	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Beryllium	0.56		0.26	0.036	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Cadmium	0.093	J	0.26	0.038	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Calcium	139000		128	8.4	mg/Kg	☼	07/13/21 12:48	07/15/21 22:37	2
Chromium	13.0		0.64	0.26	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Cobalt	5.9		0.64	0.064	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Copper	16.9		2.6	0.54	mg/Kg	☼	07/13/21 12:48	07/15/21 22:37	2
Iron	14100		12.8	4.5	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Lead	21.5		1.3	0.31	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Magnesium	7900		25.5	1.2	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Manganese	388		0.26	0.041	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Nickel	15.3		6.4	0.29	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Potassium	4290		38.3	25.5	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Selenium	0.65	J	5.1	0.51	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Silver	0.77	U	0.77	0.26	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Sodium	212		179	16.6	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Thallium	7.7	U	7.7	0.38	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Vanadium	17.0		0.64	0.14	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1
Zinc	35.7		2.6	0.82	mg/Kg	☼	07/13/21 12:48	07/15/21 21:08	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0095	J	0.023	0.0052	mg/Kg	☼	07/14/21 14:08	07/14/21 16:18	1

Client Sample ID: B-21-13 (10-11)(07082021)

Lab Sample ID: 480-186960-3

Date Collected: 07/08/21 08:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
2-Butanone (MEK)	25	U TH	25	1.8	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Acetone	25	U	25	4.2	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Benzene	5.0	U	5.0	0.24	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (10-11)(07082021)

Lab Sample ID: 480-186960-3

Date Collected: 07/08/21 08:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Chloroethane	5.0	U TH	5.0	1.1	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Methylene Chloride	5.0	U TH	5.0	2.3	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Toluene	0.63	J	5.0	0.38	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1
Xylenes, Total	9.9	U	9.9	0.84	ug/Kg	☼	07/09/21 10:00	07/12/21 23:46	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/09/21 10:00	07/12/21 23:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	07/09/21 10:00	07/12/21 23:46	1
4-Bromofluorobenzene (Surr)	95		72 - 126	07/09/21 10:00	07/12/21 23:46	1
Dibromofluoromethane (Surr)	106		60 - 140	07/09/21 10:00	07/12/21 23:46	1
Toluene-d8 (Surr)	97		71 - 125	07/09/21 10:00	07/12/21 23:46	1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
2-Butanone (MEK)	24	U TH	24	1.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Acetone	24	U	24	4.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Chloromethane	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Cyclohexane	4.9	U	4.9	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Methyl acetate	24	U	24	3.0	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Methylene Chloride	4.9	U TH	4.9	2.3	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Vinyl chloride	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	07/09/21 10:00	07/13/21 00:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/09/21 10:00	07/13/21 00:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	07/09/21 10:00	07/13/21 00:10	1
4-Bromofluorobenzene (Surr)	95		72 - 126	07/09/21 10:00	07/13/21 00:10	1
Dibromofluoromethane (Surr)	107		60 - 140	07/09/21 10:00	07/13/21 00:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	98		71 - 125	07/09/21 10:00	07/13/21 00:10	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
1,4-Dioxane	120	U	120	64	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Chlorophenol	380	U	380	36	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Methylphenol	200	U	200	23	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Nitroaniline	380	U	380	29	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
2-Nitrophenol	200	U	200	56	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
3-Nitroaniline	380	U	380	55	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Chloroaniline	200	U	200	49	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Methylphenol	380	U	380	23	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Nitroaniline	380	U	380	100	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
4-Nitrophenol	380	U	380	140	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Acenaphthene	200	U	200	29	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Acenaphthylene	200	U	200	26	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Acetophenone	200	U	200	27	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Anthracene	200	U	200	49	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Atrazine	200	U	200	69	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzaldehyde	200	U	200	160	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Biphenyl	200	U	200	29	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Caprolactam	200	U	200	59	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1
Carbazole	200	U	200	23	ug/Kg	☆	07/13/21 14:52	07/17/21 00:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chrysene	200	U	200	44	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Fluorene	200	U	200	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Isophorone	200	U	200	42	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Phenol	200	U	200	30	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1
Pyrene	200	U	200	23	ug/Kg	☼	07/13/21 14:52	07/17/21 00:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	310	T J	ug/Kg	☼	1.72		07/13/21 14:52	07/17/21 00:59	1
Unknown	2600	T J	ug/Kg	☼	1.89		07/13/21 14:52	07/17/21 00:59	1
Unknown	180	T J	ug/Kg	☼	3.29		07/13/21 14:52	07/17/21 00:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120	07/13/21 14:52	07/17/21 00:59	1
2-Fluorobiphenyl (Surr)	92		60 - 120	07/13/21 14:52	07/17/21 00:59	1
2-Fluorophenol (Surr)	80		52 - 120	07/13/21 14:52	07/17/21 00:59	1
Nitrobenzene-d5 (Surr)	77		53 - 120	07/13/21 14:52	07/17/21 00:59	1
Phenol-d5 (Surr)	81		54 - 120	07/13/21 14:52	07/17/21 00:59	1
p-Terphenyl-d14 (Surr)	111		79 - 130	07/13/21 14:52	07/17/21 00:59	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
4,4'-DDE	0.49	J	2.0	0.41	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
beta-BHC	0.41	J	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
gamma-BHC (Lindane)	0.50	J B	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
Toxaphene	20	U	20	11	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	07/14/21 07:54	07/15/21 13:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	88		45 - 120	07/14/21 07:54	07/15/21 13:44	1
DCB Decachlorobiphenyl	84		45 - 120	07/14/21 07:54	07/15/21 13:44	1
Tetrachloro-m-xylene	85		30 - 124	07/14/21 07:54	07/15/21 13:44	1
Tetrachloro-m-xylene	70		30 - 124	07/14/21 07:54	07/15/21 13:44	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	07/13/21 09:52	07/14/21 20:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154	07/13/21 09:52	07/14/21 20:06	1
Tetrachloro-m-xylene	105		60 - 154	07/13/21 09:52	07/14/21 20:06	1
DCB Decachlorobiphenyl	97		65 - 174	07/13/21 09:52	07/14/21 20:06	1
DCB Decachlorobiphenyl	94		65 - 174	07/13/21 09:52	07/14/21 20:06	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	07/15/21 06:45	07/19/21 18:21	1
Silvex (2,4,5-TP)	20	U	20	7.0	ug/Kg	☼	07/15/21 06:45	07/19/21 18:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	07/15/21 06:45	07/19/21 18:21	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/15/21 06:45	07/19/21 18:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8680		12.0	5.3	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Antimony	18.1	U	18.1	0.48	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Arsenic	6.2		2.4	0.48	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Barium	27.2	^	0.60	0.13	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Beryllium	0.50		0.24	0.034	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Calcium	163000		120	7.9	mg/Kg	☼	07/13/21 12:48	07/15/21 22:41	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	9.0		0.60	0.24	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Cobalt	8.6		0.60	0.060	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Copper	10.7		2.4	0.51	mg/Kg	☼	07/13/21 12:48	07/15/21 22:41	2
Iron	10900		12.0	4.2	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Lead	17.4		1.2	0.29	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Magnesium	3240		24.1	1.1	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Manganese	522		0.24	0.039	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Nickel	15.3		6.0	0.28	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Potassium	3890		36.1	24.1	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Sodium	170		169	15.7	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Vanadium	10.3		0.60	0.13	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1
Zinc	18.3		2.4	0.77	mg/Kg	☼	07/13/21 12:48	07/15/21 21:12	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0078	J	0.021	0.0048	mg/Kg	☼	07/14/21 14:08	07/14/21 16:22	1

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U	5.7	0.41	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,1,2,2-Tetrachloroethane	5.7	U	5.7	0.92	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	5.7	1.3	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,1,2-Trichloroethane	5.7	U	5.7	0.74	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,1-Dichloroethane	5.7	U	5.7	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,1-Dichloroethene	5.7	U	5.7	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2,4-Trichlorobenzene	5.7	U	5.7	0.34	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2-Dibromo-3-Chloropropane	5.7	U	5.7	2.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2-Dibromoethane	5.7	U	5.7	0.73	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2-Dichlorobenzene	5.7	U	5.7	0.44	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2-Dichloroethane	5.7	U	5.7	0.28	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,2-Dichloropropane	5.7	U	5.7	2.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,3-Dichlorobenzene	5.7	U	5.7	0.29	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
1,4-Dichlorobenzene	5.7	U	5.7	0.79	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
2-Butanone (MEK)	28	U TH	28	2.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
2-Hexanone	28	U	28	2.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
4-Methyl-2-pentanone (MIBK)	28	U	28	1.9	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Acetone	28	U	28	4.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Benzene	5.7	U	5.7	0.28	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Bromodichloromethane	5.7	U	5.7	0.76	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Bromoform	5.7	U	5.7	2.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Bromomethane	5.7	U	5.7	0.51	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Carbon disulfide	5.7	U	5.7	2.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Carbon tetrachloride	5.7	U	5.7	0.55	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	5.7	U	5.7	0.75	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Chloroethane	5.7	U TH	5.7	1.3	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Chloroform	5.7	U	5.7	0.35	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Chloromethane	5.7	U	5.7	0.34	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
cis-1,2-Dichloroethene	5.7	U	5.7	0.73	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
cis-1,3-Dichloropropene	5.7	U	5.7	0.82	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Cyclohexane	5.7	U	5.7	0.79	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Dibromochloromethane	5.7	U	5.7	0.73	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Dichlorodifluoromethane	5.7	U	5.7	0.47	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Ethylbenzene	5.7	U	5.7	0.39	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Isopropylbenzene	5.7	U	5.7	0.85	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Methyl acetate	28	U	28	3.4	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Methyl tert-butyl ether	5.7	U	5.7	0.56	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Methylcyclohexane	5.7	U	5.7	0.86	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Methylene Chloride	5.7	U TH	5.7	2.6	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Styrene	5.7	U	5.7	0.28	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Tetrachloroethene	5.7	U	5.7	0.76	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Toluene	5.7	U	5.7	0.43	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
trans-1,2-Dichloroethene	5.7	U	5.7	0.58	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
trans-1,3-Dichloropropene	5.7	U	5.7	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Trichloroethene	5.7	U	5.7	1.2	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Trichlorofluoromethane	5.7	U	5.7	0.54	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Vinyl chloride	5.7	U	5.7	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1
Xylenes, Total	11	U	11	0.95	ug/Kg	☼	07/09/21 10:00	07/13/21 00:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/09/21 10:00	07/13/21 00:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	07/09/21 10:00	07/13/21 00:34	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/09/21 10:00	07/13/21 00:34	1
Dibromofluoromethane (Surr)	107		60 - 140	07/09/21 10:00	07/13/21 00:34	1
Toluene-d8 (Surr)	96		71 - 125	07/09/21 10:00	07/13/21 00:34	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1000	U	1000	170	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
1,4-Dioxane	600	U	600	330	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,3,4,6-Tetrachlorophenol	1000	U	1000	210	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4,5-Trichlorophenol	1000	U	1000	270	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4,6-Trichlorophenol	1000	U	1000	200	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4-Dichlorophenol	1000	U	1000	110	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4-Dimethylphenol	1000	U	1000	250	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4-Dinitrophenol	9900	U	9900	4700	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,4-Dinitrotoluene	1000	U	1000	210	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2,6-Dinitrotoluene	1000	U	1000	120	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2-Chloronaphthalene	1000	U	1000	170	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2-Chlorophenol	2000	U	2000	190	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2-Methylnaphthalene	1000	U	1000	200	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
2-Methylphenol	1000	U	1000	120	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitroaniline	2000	U	2000	150	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
2-Nitrophenol	1000	U	1000	290	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
3,3'-Dichlorobenzidine	2000	U	2000	1200	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
3-Nitroaniline	2000	U	2000	280	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4,6-Dinitro-2-methylphenol	2000	U	2000	1000	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Bromophenyl phenyl ether	1000	U	1000	140	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Chloro-3-methylphenol	1000	U	1000	250	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Chloroaniline	1000	U	1000	250	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Chlorophenyl phenyl ether	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Methylphenol	2000	U	2000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Nitroaniline	2000	U	2000	530	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
4-Nitrophenol	2000	U	2000	710	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Acenaphthene	1000	U	1000	150	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Acenaphthylene	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Acetophenone	1000	U	1000	140	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Anthracene	1000	U	1000	250	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Atrazine	1000	U	1000	350	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzaldehyde	1000	U	1000	810	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzo[a]anthracene	1000	U	1000	100	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzo[a]pyrene	1000	U	1000	150	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzo[b]fluoranthene	1000	U	1000	160	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzo[g,h,i]perylene	1000	U	1000	110	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Benzo[k]fluoranthene	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Biphenyl	1000	U	1000	150	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
bis (2-chloroisopropyl) ether	1000	U	1000	200	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Bis(2-chloroethoxy)methane	1000	U	1000	220	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Bis(2-chloroethyl)ether	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	350	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Butyl benzyl phthalate	1000	U	1000	170	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Caprolactam	1000	U	1000	300	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Carbazole	1000	U	1000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Chrysene	1000	U	1000	230	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Dibenz(a,h)anthracene	1000	U	1000	180	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Dibenzofuran	1000	U	1000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Diethyl phthalate	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Dimethyl phthalate	1000	U	1000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Di-n-butyl phthalate	1000	U	1000	170	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Di-n-octyl phthalate	1000	U	1000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Fluoranthene	1000	U	1000	110	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Fluorene	1000	U	1000	120	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Hexachlorobutadiene	1000	U	1000	150	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Hexachlorocyclopentadiene	1000	U	1000	140	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Hexachloroethane	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Indeno[1,2,3-cd]pyrene	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Isophorone	1000	U	1000	220	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Naphthalene	1000	U	1000	130	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
Nitrobenzene	1000	U	1000	110	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5
N-Nitrosodi-n-propylamine	1000	U	1000	170	ug/Kg	✳	07/13/21 14:52	07/17/21 01:24	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodiphenylamine	1000	U	1000	820	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
Pentachlorophenol	2000	U	2000	1000	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
Phenanthrene	1000	U	1000	150	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
Phenol	1000	U	1000	160	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5
Pyrene	1000	U	1000	120	ug/Kg	☼	07/13/21 14:52	07/17/21 01:24	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/13/21 14:52	07/17/21 01:24	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	60		54 - 120	07/13/21 14:52	07/17/21 01:24	5
2-Fluorobiphenyl (Surr)	71		60 - 120	07/13/21 14:52	07/17/21 01:24	5
2-Fluorophenol (Surr)	63		52 - 120	07/13/21 14:52	07/17/21 01:24	5
Nitrobenzene-d5 (Surr)	64		53 - 120	07/13/21 14:52	07/17/21 01:24	5
Phenol-d5 (Surr)	61		54 - 120	07/13/21 14:52	07/17/21 01:24	5
p-Terphenyl-d14 (Surr)	77	TL	79 - 130	07/13/21 14:52	07/17/21 01:24	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
cis-Chlordane	2.0	U	2.0	0.97	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
delta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
gamma-BHC (Lindane)	0.61	J B	2.0	0.36	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Heptachlor	2.0	U	2.0	0.42	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Heptachlor epoxide	2.0	U	2.0	0.50	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
Toxaphene	20	U	20	11	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	07/14/21 07:54	07/15/21 14:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		45 - 120	07/14/21 07:54	07/15/21 14:04	1
DCB Decachlorobiphenyl	87		45 - 120	07/14/21 07:54	07/15/21 14:04	1
Tetrachloro-m-xylene	79		30 - 124	07/14/21 07:54	07/15/21 14:04	1
Tetrachloro-m-xylene	68		30 - 124	07/14/21 07:54	07/15/21 14:04	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1232	0.24	U	0.24	0.047	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	☼	07/13/21 09:52	07/14/21 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154	07/13/21 09:52	07/14/21 20:19	1
Tetrachloro-m-xylene	104		60 - 154	07/13/21 09:52	07/14/21 20:19	1
DCB Decachlorobiphenyl	92		65 - 174	07/13/21 09:52	07/14/21 20:19	1
DCB Decachlorobiphenyl	90		65 - 174	07/13/21 09:52	07/14/21 20:19	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	07/15/21 06:45	07/19/21 18:51	1
Silvex (2,4,5-TP)	20	U	20	7.2	ug/Kg	☼	07/15/21 06:45	07/19/21 18:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		28 - 129	07/15/21 06:45	07/19/21 18:51	1
2,4-Dichlorophenylacetic acid	59		28 - 129	07/15/21 06:45	07/19/21 18:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7170		12.8	5.6	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Antimony	19.3	U	19.3	0.51	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Arsenic	4.3		2.6	0.51	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Barium	20.9	^	0.64	0.14	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Beryllium	0.37		0.26	0.036	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Cadmium	0.26	U	0.26	0.039	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Calcium	166000		128	8.5	mg/Kg	☼	07/13/21 12:48	07/15/21 22:45	2
Chromium	7.8		0.64	0.26	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Cobalt	3.7		0.64	0.064	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Copper	5.0		2.6	0.54	mg/Kg	☼	07/13/21 12:48	07/15/21 22:45	2
Iron	8870		12.8	4.5	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Lead	14.5		1.3	0.31	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Magnesium	16900		25.7	1.2	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Manganese	296		0.26	0.041	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Nickel	9.3		6.4	0.30	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Potassium	3990		38.5	25.7	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Silver	0.77	U	0.77	0.26	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Sodium	155	J	180	16.7	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Thallium	7.7	U	7.7	0.39	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Vanadium	8.4		0.64	0.14	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1
Zinc	8.9		2.6	0.82	mg/Kg	☼	07/13/21 12:48	07/15/21 21:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0048	mg/Kg	☼	07/14/21 14:08	07/14/21 16:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (9-10)(07082021)

Lab Sample ID: 480-186960-6

Date Collected: 07/08/21 12:15

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.80	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2-Dichlorobenzene	4.9	U	4.9	0.39	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,2-Dichloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
2-Butanone (MEK)	25	U TH	25	1.8	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Acetone	25	U	25	4.2	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Bromoform	4.9	U	4.9	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Carbon disulfide	4.9	U	4.9	2.5	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Carbon tetrachloride	4.9	U	4.9	0.48	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Chloromethane	4.9	U	4.9	0.30	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.71	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Cyclohexane	4.9	U	4.9	0.69	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Dichlorodifluoromethane	4.9	U	4.9	0.41	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Methylcyclohexane	4.9	U	4.9	0.75	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Methylene Chloride	4.9	U TH	4.9	2.3	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Styrene	4.9	U	4.9	0.25	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Toluene	0.37	J	4.9	0.37	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Trichlorofluoromethane	4.9	U	4.9	0.47	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Vinyl chloride	4.9	U	4.9	0.60	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1
Xylenes, Total	9.9	U	9.9	0.83	ug/Kg	☼	07/09/21 10:00	07/13/21 00:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (9-10)(07082021)

Lab Sample ID: 480-186960-6

Date Collected: 07/08/21 12:15

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.8

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>07/09/21 10:00</i>	<i>07/13/21 00:58</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>121</i>		<i>64 - 126</i>				<i>07/09/21 10:00</i>	<i>07/13/21 00:58</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>93</i>		<i>72 - 126</i>				<i>07/09/21 10:00</i>	<i>07/13/21 00:58</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>110</i>		<i>60 - 140</i>				<i>07/09/21 10:00</i>	<i>07/13/21 00:58</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>98</i>		<i>71 - 125</i>				<i>07/09/21 10:00</i>	<i>07/13/21 00:58</i>	<i>1</i>

Client Sample ID: EB-01(07082021)

Lab Sample ID: 480-186960-7

Date Collected: 07/08/21 10:00

Matrix: Water

Date Received: 07/09/21 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.31</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)</i>	<i>4.0</i>	<i>U</i>	<i>4.0</i>	<i>0.87</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)</i>	<i>4.0</i>	<i>U</i>	<i>4.0</i>	<i>0.59</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)</i>	<i>4.0</i>	<i>U</i>	<i>4.0</i>	<i>0.72</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorobutanesulfonic acid (PFBS)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.20</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorobutanoic acid (PFBA)</i>	<i>4.0</i>	<i>U</i>	<i>4.0</i>	<i>0.71</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorodecanesulfonic acid (PFDS)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.24</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorodecanoic acid (PFDA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.24</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorododecanoic acid (PFDoA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.31</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluoroheptanesulfonic Acid (PFHpS)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.19</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluoroheptanoic acid (PFHpA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.19</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorohexanesulfonic acid (PFHxS)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.24</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorohexanoic acid (PFHxA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.36</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorononanoic acid (PFNA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.22</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorooctanesulfonamide (PFOSA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.46</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorooctanesulfonic acid (PFOS)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.23</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorooctanoic acid (PFOA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.34</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluoropentanoic acid (PFPeA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.38</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorotetradecanoic acid (PFTeA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.50</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluorotridecanoic acid (PFTrIA)</i>	<i>1.6</i>	<i>U</i>	<i>1.6</i>	<i>0.35</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Perfluoroundecanoic acid (PFUnA)</i>	<i>1.6</i>	<i>U TH</i>	<i>1.6</i>	<i>0.27</i>	<i>ng/L</i>		<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>13C2 PFDA</i>	<i>91</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C2 PFDoA</i>	<i>89</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C2 PFHxA</i>	<i>92</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C2 PFTeDA</i>	<i>91</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C2 PFUnA</i>	<i>91</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C3 PFBS</i>	<i>94</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C4 PFBA</i>	<i>92</i>		<i>25 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C4 PFHpA</i>	<i>94</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C4 PFOA</i>	<i>91</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C4 PFOS</i>	<i>96</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>
<i>13C5 PFNA</i>	<i>94</i>		<i>50 - 150</i>				<i>07/13/21 11:43</i>	<i>07/13/21 20:19</i>	<i>1</i>

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Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: EB-01(07082021)

Lab Sample ID: 480-186960-7

Date Collected: 07/08/21 10:00

Matrix: Water

Date Received: 07/09/21 08:00

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	92		25 - 150	07/13/21 11:43	07/13/21 20:19	1
13C8 FOSA	81		25 - 150	07/13/21 11:43	07/13/21 20:19	1
18O2 PFHxS	92		50 - 150	07/13/21 11:43	07/13/21 20:19	1
d3-NMeFOSAA	95		50 - 150	07/13/21 11:43	07/13/21 20:19	1
d5-NEtFOSAA	97		50 - 150	07/13/21 11:43	07/13/21 20:19	1
M2-6:2 FTS	101		25 - 150	07/13/21 11:43	07/13/21 20:19	1
M2-8:2 FTS	98		25 - 150	07/13/21 11:43	07/13/21 20:19	1

Surrogate Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-186960-1	B-21-13 (3-4)(07082021)	114	99	104	99
480-186960-3	B-21-13 (10-11)(07082021)	116	95	106	97
480-186960-4	B-21-16 (5-6)(07082021)	114	95	107	98
480-186960-5	B-21-12 (6-7)(07082021)	115	93	107	96
480-186960-6	B-21-12 (9-10)(07082021)	121	93	110	98
LCS 480-588798/1-A	Lab Control Sample	110	97	99	96
LCS 480-588798/2-A	Lab Control Sample Dup	109	97	100	95
MB 480-588798/3-A	Method Blank	104	96	103	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-186960-1	B-21-13 (3-4)(07082021)	89	92	82	81	82	109
480-186960-4	B-21-16 (5-6)(07082021)	90	92	80	77	81	111
480-186960-5	B-21-12 (6-7)(07082021)	60	71	63	64	61	77 TL
LCS 480-588917/2-A	Lab Control Sample	119	98	80	81	77	112
MB 480-588917/1-A	Method Blank	94	87	78	76	79	104

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-186960-1	B-21-13 (3-4)(07082021)	98	93	77	69
480-186960-4	B-21-16 (5-6)(07082021)	88	84	85	70
480-186960-5	B-21-12 (6-7)(07082021)	89	87	79	68
LCS 480-588984/2-A	Lab Control Sample	94	106	94	91
MB 480-588984/1-A	Method Blank	82	92	77	80

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: ERM-Northeast

Job ID: 480-186960-1

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-186960-1	B-21-13 (3-4)(07082021)	105	100	96	97
480-186960-4	B-21-16 (5-6)(07082021)	105	102	94	97
480-186960-5	B-21-12 (6-7)(07082021)	104	99	90	92
LCS 480-588851/2-A	Lab Control Sample	153	146	141	143
MB 480-588851/1-A	Method Blank	107	104	99	101

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-186960-1	B-21-13 (3-4)(07082021)	65	57
480-186960-4	B-21-16 (5-6)(07082021)	73	66
480-186960-5	B-21-12 (6-7)(07082021)	68	59
LCS 480-589113/2-A	Lab Control Sample	73	61
MB 480-589113/1-A	Method Blank	67	61

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-186960-7	EB-01(07082021)	91	89	92	91	91	94	92	94
LCS 200-169023/2-A	Lab Control Sample	96	84	102	80	91	104	102	102
LCSD 200-169023/3-A	Lab Control Sample Dup	98	89	102	79	89	106	103	101
MB 200-169023/1-A	Method Blank	97	77	102	73	87	99	102	102

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-186960-7	EB-01(07082021)	91	96	94	92	81	92	95	97
LCS 200-169023/2-A	Lab Control Sample	100	99	98	102	83	100	98	87
LCSD 200-169023/3-A	Lab Control Sample Dup	103	107	101	104	79	101	98	93
MB 200-169023/1-A	Method Blank	99	105	101	101	78	102	94	89

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-186960-7	EB-01(07082021)	101	98
LCS 200-169023/2-A	Lab Control Sample	107	104
LCSD 200-169023/3-A	Lab Control Sample Dup	114	109
MB 200-169023/1-A	Method Blank	106	100

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-588798/3-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588798

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Acetone	25	U	25	4.2	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Methylene Chloride	19.4		5.0	2.3	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/12/21 19:00	07/12/21 21:07	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/12/21 19:00	07/12/21 21:07	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-588798/3-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588798

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Ethyl ether	5.58	J	ug/Kg		3.04	60-29-7	07/12/21 19:00	07/12/21 21:07	1
Tentatively Identified Compound	None		ug/Kg				07/12/21 19:00	07/12/21 21:07	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/12/21 19:00	07/12/21 21:07	1
4-Bromofluorobenzene (Surr)	96		72 - 126	07/12/21 19:00	07/12/21 21:07	1
Dibromofluoromethane (Surr)	103		60 - 140	07/12/21 19:00	07/12/21 21:07	1
Toluene-d8 (Surr)	98		71 - 125	07/12/21 19:00	07/12/21 21:07	1

Lab Sample ID: LCS 480-588798/1-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2,2-Tetrachloroethane	50.0	49.0		ug/Kg		98	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	53.3		ug/Kg		107	60 - 140
1,1,2-Trichloroethane	50.0	49.6		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.0	50.0		ug/Kg		100	73 - 126
1,1-Dichloroethene	50.0	51.9		ug/Kg		104	59 - 125
1,2,4-Trichlorobenzene	50.0	47.7		ug/Kg		95	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	45.9		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	47.3		ug/Kg		95	78 - 120
1,2-Dichlorobenzene	50.0	48.8		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	48.4		ug/Kg		97	77 - 122
1,2-Dichloropropane	50.0	50.9		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	50.8		ug/Kg		102	74 - 120
1,4-Dichlorobenzene	50.0	50.5		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	459	TH	ug/Kg		184	70 - 134
2-Hexanone	250	257		ug/Kg		103	59 - 130
4-Methyl-2-pentanone (MIBK)	250	239		ug/Kg		96	65 - 133
Acetone	250	253		ug/Kg		101	61 - 137
Benzene	50.0	52.4		ug/Kg		105	79 - 127
Bromodichloromethane	50.0	54.9		ug/Kg		110	80 - 122
Bromoform	50.0	49.1		ug/Kg		98	68 - 126
Bromomethane	50.0	69.1		ug/Kg		138	37 - 149
Carbon disulfide	50.0	49.4		ug/Kg		99	64 - 131
Carbon tetrachloride	50.0	55.8		ug/Kg		112	75 - 135
Chlorobenzene	50.0	49.9		ug/Kg		100	76 - 124
Chloroethane	50.0	74.8	TH	ug/Kg		150	69 - 135
Chloroform	50.0	51.5		ug/Kg		103	80 - 120
Chloromethane	50.0	61.5		ug/Kg		123	63 - 127
cis-1,2-Dichloroethene	50.0	51.2		ug/Kg		102	81 - 120
cis-1,3-Dichloropropene	50.0	53.1		ug/Kg		106	80 - 120
Cyclohexane	50.0	47.4		ug/Kg		95	65 - 120
Dibromochloromethane	50.0	54.1		ug/Kg		108	76 - 125
Dichlorodifluoromethane	50.0	40.8		ug/Kg		82	57 - 142

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-588798/1-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588798

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylbenzene	50.0	51.1		ug/Kg		102	80 - 120
Isopropylbenzene	50.0	49.9		ug/Kg		100	72 - 120
Methyl acetate	100	93.1		ug/Kg		93	55 - 136
Methyl tert-butyl ether	50.0	44.9		ug/Kg		90	63 - 125
Methylcyclohexane	50.0	51.7		ug/Kg		103	60 - 140
Methylene Chloride	50.0	68.5	TH	ug/Kg		137	61 - 127
Styrene	50.0	48.9		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	52.4		ug/Kg		105	74 - 122
Toluene	50.0	49.9		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	53.0		ug/Kg		106	78 - 126
Trichloroethene	50.0	52.5		ug/Kg		105	77 - 129
Trichlorofluoromethane	50.0	59.6		ug/Kg		119	65 - 146
Vinyl chloride	50.0	66.1		ug/Kg		132	61 - 133
Xylenes, Total	100	99.6		ug/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	96		71 - 125

Lab Sample ID: LCSD 480-588798/2-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 588798

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	50.0	49.7		ug/Kg		99	77 - 121	6	20
1,1,1,2-Tetrachloroethane	50.0	48.6		ug/Kg		97	80 - 120	1	20
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.4		ug/Kg		99	60 - 140	7	20
1,1,2-Trichloroethane	50.0	48.2		ug/Kg		96	78 - 122	3	20
1,1-Dichloroethane	50.0	49.6		ug/Kg		99	73 - 126	1	20
1,1-Dichloroethene	50.0	49.0		ug/Kg		98	59 - 125	6	20
1,2,4-Trichlorobenzene	50.0	45.0		ug/Kg		90	64 - 120	6	20
1,2-Dibromo-3-Chloropropane	50.0	48.5		ug/Kg		97	63 - 124	5	20
1,2-Dibromoethane	50.0	48.4		ug/Kg		97	78 - 120	2	20
1,2-Dichlorobenzene	50.0	47.0		ug/Kg		94	75 - 120	4	20
1,2-Dichloroethane	50.0	47.8		ug/Kg		96	77 - 122	1	20
1,2-Dichloropropane	50.0	49.7		ug/Kg		99	75 - 124	2	20
1,3-Dichlorobenzene	50.0	48.6		ug/Kg		97	74 - 120	5	20
1,4-Dichlorobenzene	50.0	49.0		ug/Kg		98	73 - 120	3	20
2-Butanone (MEK)	250	471	TH	ug/Kg		189	70 - 134	3	20
2-Hexanone	250	262		ug/Kg		105	59 - 130	2	20
4-Methyl-2-pentanone (MIBK)	250	244		ug/Kg		98	65 - 133	2	20
Acetone	250	255		ug/Kg		102	61 - 137	1	20
Benzene	50.0	50.1		ug/Kg		100	79 - 127	5	20
Bromodichloromethane	50.0	52.9		ug/Kg		106	80 - 122	4	20
Bromoform	50.0	48.7		ug/Kg		97	68 - 126	1	20
Bromomethane	50.0	62.1		ug/Kg		124	37 - 149	11	20

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 480-588798/2-A
Matrix: Solid
Analysis Batch: 588790

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 588798

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Carbon disulfide	50.0	46.1		ug/Kg		92	64 - 131	7	20
Carbon tetrachloride	50.0	53.9		ug/Kg		108	75 - 135	3	20
Chlorobenzene	50.0	48.3		ug/Kg		97	76 - 124	3	20
Chloroethane	50.0	70.6	TH	ug/Kg		141	69 - 135	6	20
Chloroform	50.0	49.5		ug/Kg		99	80 - 120	4	20
Chloromethane	50.0	56.7		ug/Kg		113	63 - 127	8	20
cis-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	81 - 120	5	20
cis-1,3-Dichloropropene	50.0	52.0		ug/Kg		104	80 - 120	2	20
Cyclohexane	50.0	44.5		ug/Kg		89	65 - 120	6	20
Dibromochloromethane	50.0	53.3		ug/Kg		107	76 - 125	1	20
Dichlorodifluoromethane	50.0	36.5		ug/Kg		73	57 - 142	11	20
Ethylbenzene	50.0	48.8		ug/Kg		98	80 - 120	5	20
Isopropylbenzene	50.0	47.9		ug/Kg		96	72 - 120	4	20
Methyl acetate	100	95.4		ug/Kg		95	55 - 136	2	20
Methyl tert-butyl ether	50.0	45.7		ug/Kg		91	63 - 125	2	20
Methylcyclohexane	50.0	48.7		ug/Kg		97	60 - 140	6	20
Methylene Chloride	50.0	67.8	TH	ug/Kg		136	61 - 127	1	20
Styrene	50.0	46.6		ug/Kg		93	80 - 120	5	20
Tetrachloroethene	50.0	51.2		ug/Kg		102	74 - 122	2	20
Toluene	50.0	48.2		ug/Kg		96	74 - 128	3	20
trans-1,2-Dichloroethene	50.0	49.8		ug/Kg		100	78 - 126	6	20
Trichloroethene	50.0	50.1		ug/Kg		100	77 - 129	5	20
Trichlorofluoromethane	50.0	54.2		ug/Kg		108	65 - 146	10	20
Vinyl chloride	50.0	61.5		ug/Kg		123	61 - 133	7	20
Xylenes, Total	100	93.8		ug/Kg		94	70 - 130	6	20

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	97		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	95		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
1,4-Dioxane	100	U	100	55	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Methylphenol	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Methylphenol	330	U	330	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Nitroaniline	330	U	330	89	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acenaphthene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acenaphthylene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Acetophenone	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Anthracene	170	U	170	42	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Atrazine	170	U	170	59	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzaldehyde	170	U	170	130	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Biphenyl	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Caprolactam	170	U	170	51	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Carbazole	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Chrysene	170	U	170	38	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dibenzofuran	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Fluoranthene	170	U	170	18	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Fluorene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Hexachloroethane	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/13/21 14:52	07/16/21 16:21	1

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-588917/1-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588917

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Isophorone	170	U	170	36	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Naphthalene	170	U	170	22	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Nitrobenzene	170	U	170	19	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Phenanthrene	170	U	170	25	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Phenol	170	U	170	26	ug/Kg		07/13/21 14:52	07/16/21 16:21	1
Pyrene	170	U	170	20	ug/Kg		07/13/21 14:52	07/16/21 16:21	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	629	T J	ug/Kg		1.75		07/13/21 14:52	07/16/21 16:21	1
Unknown	2870	T J	ug/Kg		1.89		07/13/21 14:52	07/16/21 16:21	1
Unknown	365	T J	ug/Kg		3.27		07/13/21 14:52	07/16/21 16:21	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	94		54 - 120	07/13/21 14:52	07/16/21 16:21	1
2-Fluorobiphenyl (Surr)	87		60 - 120	07/13/21 14:52	07/16/21 16:21	1
2-Fluorophenol (Surr)	78		52 - 120	07/13/21 14:52	07/16/21 16:21	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/13/21 14:52	07/16/21 16:21	1
Phenol-d5 (Surr)	79		54 - 120	07/13/21 14:52	07/16/21 16:21	1
p-Terphenyl-d14 (Surr)	104		79 - 130	07/13/21 14:52	07/16/21 16:21	1

Lab Sample ID: LCS 480-588917/2-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588917

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1640	1670		ug/Kg		102	59 - 125
1,4-Dioxane	1640	757		ug/Kg		46	23 - 120
2,3,4,6-Tetrachlorophenol	1640	1510		ug/Kg		92	64 - 120
2,4,5-Trichlorophenol	1640	1560		ug/Kg		95	59 - 126
2,4,6-Trichlorophenol	1640	1580		ug/Kg		97	59 - 123
2,4-Dichlorophenol	1640	1440		ug/Kg		88	61 - 120
2,4-Dimethylphenol	1640	1290		ug/Kg		79	59 - 120
2,4-Dinitrophenol	3270	2870		ug/Kg		88	41 - 146
2,4-Dinitrotoluene	1640	1320		ug/Kg		81	63 - 120
2,6-Dinitrotoluene	1640	1410		ug/Kg		86	66 - 120
2-Chloronaphthalene	1640	1530		ug/Kg		94	57 - 120
2-Chlorophenol	1640	1330		ug/Kg		81	53 - 120
2-Methylnaphthalene	1640	1320		ug/Kg		81	59 - 120
2-Methylphenol	1640	1340		ug/Kg		82	54 - 120
2-Nitroaniline	1640	1290		ug/Kg		79	61 - 120
2-Nitrophenol	1640	1520		ug/Kg		93	56 - 120
3,3'-Dichlorobenzidine	3270	2930		ug/Kg		90	54 - 120
3-Nitroaniline	1640	1090		ug/Kg		67	48 - 120
4,6-Dinitro-2-methylphenol	3270	3770		ug/Kg		115	49 - 122
4-Bromophenyl phenyl ether	1640	1870		ug/Kg		114	58 - 120

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-588917/2-A

Matrix: Solid

Analysis Batch: 589324

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 588917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	1640	1320		ug/Kg		81	61 - 120
4-Chloroaniline	1640	1210		ug/Kg		74	38 - 120
4-Chlorophenyl phenyl ether	1640	1470		ug/Kg		90	63 - 124
4-Methylphenol	1640	1340		ug/Kg		82	55 - 120
4-Nitroaniline	1640	1120		ug/Kg		69	56 - 120
4-Nitrophenol	3270	2350		ug/Kg		72	43 - 147
Acenaphthene	1640	1450		ug/Kg		88	62 - 120
Acenaphthylene	1640	1510		ug/Kg		92	58 - 121
Acetophenone	1640	1290		ug/Kg		79	54 - 120
Anthracene	1640	1620		ug/Kg		99	62 - 120
Atrazine	3270	2380		ug/Kg		73	60 - 127
Benzaldehyde	3270	2720	E	ug/Kg		83	10 - 150
Benzo[a]anthracene	1640	1730		ug/Kg		106	65 - 120
Benzo[a]pyrene	1640	1590		ug/Kg		97	64 - 120
Benzo[b]fluoranthene	1640	1690		ug/Kg		103	64 - 120
Benzo[g,h,i]perylene	1640	1830		ug/Kg		112	45 - 145
Benzo[k]fluoranthene	1640	1650		ug/Kg		101	65 - 120
Biphenyl	1640	1550		ug/Kg		94	59 - 120
bis (2-chloroisopropyl) ether	1640	1070		ug/Kg		65	44 - 120
Bis(2-chloroethoxy)methane	1640	1370		ug/Kg		84	55 - 120
Bis(2-chloroethyl)ether	1640	1280		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	1640	1590		ug/Kg		97	61 - 133
Butyl benzyl phthalate	1640	1680		ug/Kg		102	61 - 129
Caprolactam	3270	2180		ug/Kg		67	47 - 120
Carbazole	1640	1520		ug/Kg		93	65 - 120
Chrysene	1640	1760		ug/Kg		108	64 - 120
Dibenz(a,h)anthracene	1640	1820		ug/Kg		111	54 - 132
Dibenzofuran	1640	1430		ug/Kg		88	63 - 120
Diethyl phthalate	1640	1300		ug/Kg		79	66 - 120
Dimethyl phthalate	1640	1420		ug/Kg		87	65 - 124
Di-n-butyl phthalate	1640	1460		ug/Kg		89	58 - 130
Di-n-octyl phthalate	1640	1470		ug/Kg		90	57 - 133
Fluoranthene	1640	1420		ug/Kg		87	62 - 120
Fluorene	1640	1380		ug/Kg		85	63 - 120
Hexachlorobenzene	1640	1800		ug/Kg		110	60 - 120
Hexachlorobutadiene	1640	1560		ug/Kg		95	45 - 120
Hexachlorocyclopentadiene	1640	1610		ug/Kg		98	47 - 120
Hexachloroethane	1640	1260		ug/Kg		77	41 - 120
Indeno[1,2,3-cd]pyrene	1640	1780		ug/Kg		109	56 - 134
Isophorone	1640	1330		ug/Kg		81	56 - 120
Naphthalene	1640	1390		ug/Kg		85	55 - 120
Nitrobenzene	1640	1310		ug/Kg		80	54 - 120
N-Nitrosodi-n-propylamine	1640	1240		ug/Kg		76	52 - 120
N-Nitrosodiphenylamine	1640	1740		ug/Kg		106	51 - 128
Pentachlorophenol	3270	3420		ug/Kg		105	51 - 120
Phenanthrene	1640	1650		ug/Kg		101	60 - 120
Phenol	1640	1340		ug/Kg		82	53 - 120
Pyrene	1640	1820		ug/Kg		112	61 - 133

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-588917/2-A
Matrix: Solid
Analysis Batch: 589324

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588917

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	119		54 - 120
2-Fluorobiphenyl (Surr)	98		60 - 120
2-Fluorophenol (Surr)	80		52 - 120
Nitrobenzene-d5 (Surr)	81		53 - 120
Phenol-d5 (Surr)	77		54 - 120
p-Terphenyl-d14 (Surr)	112		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-588984/1-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588984

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil	Fac
	Result	Qualifier								
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endrin	0.332	J	1.7	0.33	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
gamma-BHC (Lindane)	0.523	J	1.7	0.31	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Methoxychlor	1.37	J	1.7	0.34	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
Toxaphene	17	U	17	9.7	ug/Kg		07/14/21 07:54	07/15/21 09:31		1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		07/14/21 07:54	07/15/21 09:31		1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil	Fac
	%Recovery	Qualifier					
DCB Decachlorobiphenyl	82		45 - 120	07/14/21 07:54	07/15/21 09:31		1
DCB Decachlorobiphenyl	92		45 - 120	07/14/21 07:54	07/15/21 09:31		1
Tetrachloro-m-xylene	77		30 - 124	07/14/21 07:54	07/15/21 09:31		1
Tetrachloro-m-xylene	80		30 - 124	07/14/21 07:54	07/15/21 09:31		1

Lab Sample ID: LCS 480-588984/2-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-588984/2-A
Matrix: Solid
Analysis Batch: 589118

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588984

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	16.7	11.6		ug/Kg		70	44 - 120
4,4'-DDT	16.7	15.5		ug/Kg		93	38 - 120
Aldrin	16.7	11.8		ug/Kg		71	38 - 120
alpha-BHC	16.7	11.6		ug/Kg		69	39 - 120
beta-BHC	16.7	14.7		ug/Kg		88	40 - 120
cis-Chlordane	16.7	10.3		ug/Kg		62	47 - 120
delta-BHC	16.7	13.4		ug/Kg		81	45 - 120
Dieldrin	16.7	14.3		ug/Kg		86	58 - 120
Endosulfan I	16.7	11.4		ug/Kg		69	49 - 120
Endosulfan II	16.7	14.0		ug/Kg		84	55 - 120
Endosulfan sulfate	16.7	19.6		ug/Kg		118	49 - 124
Endrin	16.7	15.3		ug/Kg		92	58 - 120
Endrin aldehyde	16.7	13.4		ug/Kg		80	37 - 121
Endrin ketone	16.7	16.5		ug/Kg		99	46 - 123
gamma-BHC (Lindane)	16.7	13.4		ug/Kg		80	50 - 120
Heptachlor	16.7	14.5		ug/Kg		87	50 - 120
Heptachlor epoxide	16.7	14.7		ug/Kg		88	50 - 120
Methoxychlor	16.7	18.3		ug/Kg		110	58 - 133
trans-Chlordane	16.7	15.3		ug/Kg		92	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	94		45 - 120
DCB Decachlorobiphenyl	106		45 - 120
Tetrachloro-m-xylene	94		30 - 124
Tetrachloro-m-xylene	91		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-588851/1-A
Matrix: Solid
Analysis Batch: 589085

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.046	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1221	0.23	U	0.23	0.046	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1232	0.23	U	0.23	0.046	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1242	0.23	U	0.23	0.046	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1248	0.23	U	0.23	0.046	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/13/21 09:52	07/14/21 18:11	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/13/21 09:52	07/14/21 18:11	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	07/13/21 09:52	07/14/21 18:11	1
Tetrachloro-m-xylene	107		60 - 154	07/13/21 09:52	07/14/21 18:11	1
DCB Decachlorobiphenyl	101		65 - 174	07/13/21 09:52	07/14/21 18:11	1
DCB Decachlorobiphenyl	99		65 - 174	07/13/21 09:52	07/14/21 18:11	1

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-588851/2-A
Matrix: Solid
Analysis Batch: 589085

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
PCB-1016	2.45	3.17		mg/Kg		130	51 - 185
PCB-1260	2.45	3.33		mg/Kg		136	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	146		60 - 154
Tetrachloro-m-xylene	153		60 - 154
DCB Decachlorobiphenyl	143		65 - 174
DCB Decachlorobiphenyl	141		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589113/1-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	17	U	17	10	ug/Kg		07/15/21 06:45	07/19/21 09:25	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		07/15/21 06:45	07/19/21 09:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	07/15/21 06:45	07/19/21 09:25	1
2,4-Dichlorophenylacetic acid	61		28 - 129	07/15/21 06:45	07/19/21 09:25	1

Lab Sample ID: LCS 480-589113/2-A
Matrix: Solid
Analysis Batch: 589497

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589113

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
2,4-D	66.1	52.3		ug/Kg		79	40 - 120
Silvex (2,4,5-TP)	66.1	56.8		ug/Kg		86	39 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	73		28 - 129
2,4-Dichlorophenylacetic acid	61		28 - 129

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169023/1-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169023

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.39	ng/L		07/13/21 11:43	07/13/21 19:46	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	5.0	U	5.0	1.1	ng/L		07/13/21 11:43	07/13/21 19:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	5.0	U	5.0	0.74	ng/L		07/13/21 11:43	07/13/21 19:46	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169023/1-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169023

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	5.0	U	5.0	0.90	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorobutanesulfonic acid (PFBS)	2.0	U	2.0	0.25	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorobutanoic acid (PFBA)	5.0	U	5.0	0.89	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorodecanesulfonic acid (PFDS)	2.0	U	2.0	0.31	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorodecanoic acid (PFDA)	2.0	U	2.0	0.30	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorododecanoic acid (PFDoA)	0.437	J	2.0	0.39	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.0	U	2.0	0.23	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluoroheptanoic acid (PFHpA)	2.0	U	2.0	0.24	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorohexanesulfonic acid (PFHxS)	2.0	U	2.0	0.30	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorohexanoic acid (PFHxA)	2.0	U	2.0	0.45	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorononanoic acid (PFNA)	2.0	U	2.0	0.28	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorooctanesulfonamide (PFOSA)	2.0	U	2.0	0.58	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorooctanesulfonic acid (PFOS)	2.0	U	2.0	0.29	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorooctanoic acid (PFOA)	2.0	U	2.0	0.42	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluoropentanoic acid (PFPeA)	2.0	U	2.0	0.47	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorotetradecanoic acid (PFTeA)	2.0	U	2.0	0.63	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluorotridecanoic acid (PFTrIA)	2.0	U	2.0	0.43	ng/L		07/13/21 11:43	07/13/21 19:46	1
Perfluoroundecanoic acid (PFUnA)	2.0	U	2.0	0.34	ng/L		07/13/21 11:43	07/13/21 19:46	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	97		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C2 PFDoA	77		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C2 PFHxA	102		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C2 PFTeDA	73		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C2 PFUnA	87		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C3 PFBS	99		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C4 PFBA	102		25 - 150	07/13/21 11:43	07/13/21 19:46	1
13C4 PFHpA	102		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C4 PFOA	99		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C4 PFOS	105		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C5 PFNA	101		50 - 150	07/13/21 11:43	07/13/21 19:46	1
13C5 PFPeA	101		25 - 150	07/13/21 11:43	07/13/21 19:46	1
13C8 FOSA	78		25 - 150	07/13/21 11:43	07/13/21 19:46	1
18O2 PFHxS	102		50 - 150	07/13/21 11:43	07/13/21 19:46	1
d3-NMeFOSAA	94		50 - 150	07/13/21 11:43	07/13/21 19:46	1
d5-NEtFOSAA	89		50 - 150	07/13/21 11:43	07/13/21 19:46	1
M2-6:2 FTS	106		25 - 150	07/13/21 11:43	07/13/21 19:46	1
M2-8:2 FTS	100		25 - 150	07/13/21 11:43	07/13/21 19:46	1

Lab Sample ID: LCS 200-169023/2-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	47.8		ng/L		125	50 - 150
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	42.5		ng/L		112	50 - 150

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169023/2-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169023

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	50.7		ng/L		127	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	48.4		ng/L		121	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	42.2		ng/L		119	70 - 130
Perfluorobutanoic acid (PFBA)	40.0	46.2		ng/L		116	50 - 150
Perfluorodecanesulfonic acid (PFDS)	38.6	43.6		ng/L		113	50 - 150
Perfluorodecanoic acid (PFDA)	40.0	49.3		ng/L		123	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	47.7		ng/L		119	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	47.5		ng/L		125	50 - 150
Perfluoroheptanoic acid (PFHpA)	40.0	47.2		ng/L		118	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	42.7		ng/L		117	70 - 130
Perfluorohexanoic acid (PFHxA)	40.0	49.1		ng/L		123	70 - 130
Perfluorononanoic acid (PFNA)	40.0	47.3		ng/L		118	70 - 130
Perfluorooctanesulfonamide (PFOSA)	40.0	48.1		ng/L		120	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	46.4		ng/L		125	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	47.1		ng/L		118	70 - 130
Perfluoropentanoic acid (PFPeA)	40.0	47.6		ng/L		119	50 - 150
Perfluorotetradecanoic acid (PFTeA)	40.0	49.1		ng/L		123	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	45.9		ng/L		115	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	51.0		ng/L		128	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	96		50 - 150
13C2 PFDoA	84		50 - 150
13C2 PFHxA	102		50 - 150
13C2 PFTeDA	80		50 - 150
13C2 PFUnA	91		50 - 150
13C3 PFBS	104		50 - 150
13C4 PFBA	102		25 - 150
13C4 PFHpA	102		50 - 150
13C4 PFOA	100		50 - 150
13C4 PFOS	99		50 - 150
13C5 PFNA	98		50 - 150
13C5 PFPeA	102		25 - 150
13C8 FOSA	83		25 - 150
18O2 PFHxS	100		50 - 150
d3-NMeFOSAA	98		50 - 150
d5-NEtFOSAA	87		50 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	104		25 - 150

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 200-169023/3-A

Matrix: Water

Analysis Batch: 169043

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 169023

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	47.2		ng/L		123	50 - 150	1	30
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	42.5		ng/L		112	50 - 150	0	30
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	40.0	48.8		ng/L		122	70 - 130	4	20
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	40.0	49.6		ng/L		124	70 - 130	2	20
Perfluorobutanesulfonic acid (PFBS)	35.4	44.4		ng/L		126	70 - 130	5	20
Perfluorobutanoic acid (PFBA)	40.0	48.5		ng/L		121	50 - 150	5	30
Perfluorodecanesulfonic acid (PFDS)	38.6	42.8		ng/L		111	50 - 150	2	30
Perfluorodecanoic acid (PFDA)	40.0	49.2		ng/L		123	70 - 130	0	20
Perfluorododecanoic acid (PFDoA)	40.0	49.1		ng/L		123	70 - 130	3	20
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	46.5		ng/L		122	50 - 150	2	30
Perfluoroheptanoic acid (PFHpA)	40.0	50.5		ng/L		126	70 - 130	7	20
Perfluorohexanesulfonic acid (PFHxS)	36.4	44.9		ng/L		123	70 - 130	5	20
Perfluorohexanoic acid (PFHxA)	40.0	50.7		ng/L		127	70 - 130	3	20
Perfluorononanoic acid (PFNA)	40.0	51.1		ng/L		128	70 - 130	8	20
Perfluorooctanesulfonamide (PFOSA)	40.0	51.1		ng/L		128	50 - 150	6	30
Perfluorooctanesulfonic acid (PFOS)	37.1	42.3		ng/L		114	70 - 130	9	20
Perfluorooctanoic acid (PFOA)	40.0	49.7		ng/L		124	70 - 130	5	20
Perfluoropentanoic acid (PFPeA)	40.0	49.6		ng/L		124	50 - 150	4	30
Perfluorotetradecanoic acid (PFTeA)	40.0	49.7		ng/L		124	70 - 130	1	20
Perfluorotridecanoic acid (PFTriA)	40.0	45.5		ng/L		114	70 - 130	1	20
Perfluoroundecanoic acid (PFUnA)	40.0	52.8	TH	ng/L		132	70 - 130	3	20

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFDA	98		50 - 150
13C2 PFDoA	89		50 - 150
13C2 PFHxA	102		50 - 150
13C2 PFTeDA	79		50 - 150
13C2 PFUnA	89		50 - 150
13C3 PFBS	106		50 - 150
13C4 PFBA	103		25 - 150
13C4 PFHpA	101		50 - 150
13C4 PFOA	103		50 - 150
13C4 PFOS	107		50 - 150
13C5 PFNA	101		50 - 150
13C5 PFPeA	104		25 - 150
13C8 FOSA	79		25 - 150
18O2 PFHxS	101		50 - 150
d3-NMeFOSAA	98		50 - 150

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 200-169023/3-A
Matrix: Water
Analysis Batch: 169043

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 169023

Isotope Dilution	LCSD LCSD		Limits
	%Recovery	Qualifier	
d5-NEtFOSAA	93		50 - 150
M2-6:2 FTS	114		25 - 150
M2-8:2 FTS	109		25 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-588739/1-A
Matrix: Solid
Analysis Batch: 589342

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588739

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	9.9	U	9.9	4.3	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Antimony	14.8	U	14.8	0.39	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Arsenic	2.0	U	2.0	0.39	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Barium	0.49	U ^	0.49	0.11	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Calcium	49.3	U	49.3	3.3	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Chromium	0.49	U	0.49	0.20	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Cobalt	0.49	U	0.49	0.049	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Copper	0.99	U	0.99	0.21	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Iron	9.9	U	9.9	3.4	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Lead	0.99	U	0.99	0.24	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Magnesium	19.7	U	19.7	0.91	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Manganese	0.20	U	0.20	0.032	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Nickel	4.9	U	4.9	0.23	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Potassium	29.6	U	29.6	19.7	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Selenium	3.9	U	3.9	0.39	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Silver	0.59	U	0.59	0.20	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Sodium	138	U	138	12.8	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Thallium	5.9	U	5.9	0.30	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Vanadium	0.49	U	0.49	0.11	mg/Kg		07/13/21 12:48	07/15/21 19:57	1
Zinc	2.0	U	2.0	0.63	mg/Kg		07/13/21 12:48	07/15/21 19:57	1

Lab Sample ID: LCDSRM 480-588739/23-A
Matrix: Solid
Analysis Batch: 589342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 588739

Analyte	Spike Added	LCDSRM LCDSRM		Unit	D	%Rec	%Rec.		RPD	
		Result	Qualifier				Limits	RPD	Limit	
Aluminum	8190	8448		mg/Kg		103.1	50.1 - 150.2	2	20	
Antimony	110	82.97		mg/Kg		75.4	22.2 - 254.5	3	20	
Arsenic	162	130.0		mg/Kg		80.2	70.4 - 130.2	0	20	
Barium	138	122.0	^	mg/Kg		88.4	74.6 - 124.6	7	20	
Beryllium	157	147.2		mg/Kg		93.8	75.2 - 125.5	7	20	
Cadmium	135	125.4		mg/Kg		92.9	74.8 - 124.4	7	20	

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-588739/23-A
Matrix: Solid
Analysis Batch: 589342

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 588739

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	4790	4155		mg/Kg		86.7	72.7 - 127.3	8	20
Chromium	117	109.8		mg/Kg		93.8	70.1 - 129.9	7	20
Cobalt	92.6	94.30		mg/Kg		101.8	75.1 - 125.3	6	20
Copper	143	118.7		mg/Kg		83.0	74.8 - 124.5	3	20
Iron	15100	11710		mg/Kg		77.5	37.2 - 162.9	2	20
Lead	77.6	67.12		mg/Kg		86.5	68.8 - 131.4	4	20
Magnesium	2320	2131		mg/Kg		91.9	62.1 - 137.9	0	20
Manganese	319	305.1		mg/Kg		95.7	74.9 - 125.1	9	20
Nickel	79.9	83.44		mg/Kg		104.4	70.0 - 130.2	7	20
Potassium	2050	1974		mg/Kg		96.3	59.5 - 141.0	5	20
Selenium	172	150.1		mg/Kg		87.3	68.0 - 132.6	4	20
Silver	24.7	19.09		mg/Kg		77.3	67.2 - 133.2	1	20
Sodium	137	155.2		mg/Kg		113.3	35.8 - 164.2	11	20
Thallium	88.0	86.09		mg/Kg		97.8	66.0 - 134.1	4	20
Vanadium	99.9	86.26		mg/Kg		86.3	67.4 - 132.1	4	20
Zinc	312	265.9		mg/Kg		85.2	69.9 - 129.8	5	20

Lab Sample ID: LCSSRM 480-588739/2-A
Matrix: Solid
Analysis Batch: 589342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588739

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8190	8240		mg/Kg		100.6	50.1 - 150.2		
Antimony	110	80.37		mg/Kg		73.1	22.2 - 254.5		
Arsenic	162	129.6		mg/Kg		80.0	70.4 - 130.2		
Barium	138	130.8 ^		mg/Kg		94.7	74.6 - 124.6		
Beryllium	157	136.7		mg/Kg		87.0	75.2 - 125.5		
Cadmium	135	117.2		mg/Kg		86.8	74.8 - 124.4		
Calcium	4790	3835		mg/Kg		80.1	72.7 - 127.3		
Chromium	117	102.3		mg/Kg		87.5	70.1 - 129.9		

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-588739/2-A
Matrix: Solid
Analysis Batch: 589342

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588739

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	92.6	88.58		mg/Kg		95.7	75.1 - 125.3
Copper	143	114.8		mg/Kg		80.3	74.8 - 124.5
Iron	15100	11470		mg/Kg		75.9	37.2 - 162.9
Lead	77.6	69.56		mg/Kg		89.6	68.8 - 131.4
Magnesium	2320	2126		mg/Kg		91.6	62.1 - 137.9
Manganese	319	279.5		mg/Kg		87.6	74.9 - 125.1
Nickel	79.9	78.04		mg/Kg		97.7	70.0 - 130.2
Potassium	2050	1876		mg/Kg		91.5	59.5 - 141.0
Selenium	172	144.1		mg/Kg		83.8	68.0 - 132.6
Silver	24.7	19.35		mg/Kg		78.3	67.2 - 133.2
Sodium	137	138.9	J	mg/Kg		101.4	35.8 - 164.2
Thallium	88.0	89.74		mg/Kg		102.0	66.0 - 134.1
Vanadium	99.9	82.73		mg/Kg		82.8	67.4 - 132.1
Zinc	312	252.6		mg/Kg		81.0	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-588968/1-A
Matrix: Solid
Analysis Batch: 589092

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 588968

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0045	mg/Kg		07/14/21 14:08	07/14/21 15:50	1

Lab Sample ID: LCSSRM 480-588968/2-A ^10
Matrix: Solid
Analysis Batch: 589092

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 588968

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	21.39		mg/Kg		78.6	59.9 - 140.1

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

GC/MS VOA

Analysis Batch: 588790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8260C	588798
480-186960-3	B-21-13 (10-11)(07082021)	Total/NA	Solid	8260C	588798
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8260C	588798
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8260C	588798
480-186960-6	B-21-12 (9-10)(07082021)	Total/NA	Solid	8260C	588798
MB 480-588798/3-A	Method Blank	Total/NA	Solid	8260C	588798
LCS 480-588798/1-A	Lab Control Sample	Total/NA	Solid	8260C	588798
LCSD 480-588798/2-A	Lab Control Sample Dup	Total/NA	Solid	8260C	588798

Prep Batch: 588798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	5035A_L	
480-186960-3	B-21-13 (10-11)(07082021)	Total/NA	Solid	5035A_L	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	5035A_L	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	5035A_L	
480-186960-6	B-21-12 (9-10)(07082021)	Total/NA	Solid	5035A_L	
MB 480-588798/3-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-588798/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	
LCSD 480-588798/2-A	Lab Control Sample Dup	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 588917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	3550C	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	3550C	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	3550C	
MB 480-588917/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588917/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 589324

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8270D	588917
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8270D	588917
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8270D	588917
MB 480-588917/1-A	Method Blank	Total/NA	Solid	8270D	588917
LCS 480-588917/2-A	Lab Control Sample	Total/NA	Solid	8270D	588917

GC Semi VOA

Prep Batch: 588851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	3550C	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	3550C	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	3550C	
MB 480-588851/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588851/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 588984

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	3550C	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	3550C	

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QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

GC Semi VOA (Continued)

Prep Batch: 588984 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	3550C	
MB 480-588984/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-588984/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 589085

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8082A	588851
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8082A	588851
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8082A	588851
MB 480-588851/1-A	Method Blank	Total/NA	Solid	8082A	588851
LCS 480-588851/2-A	Lab Control Sample	Total/NA	Solid	8082A	588851

Prep Batch: 589113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8151A	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8151A	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8151A	
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 589118

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8081B	588984
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8081B	588984
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8081B	588984
MB 480-588984/1-A	Method Blank	Total/NA	Solid	8081B	588984
LCS 480-588984/2-A	Lab Control Sample	Total/NA	Solid	8081B	588984

Analysis Batch: 589497

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	8151A	589113
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	8151A	589113
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	8151A	589113
MB 480-589113/1-A	Method Blank	Total/NA	Solid	8151A	589113
LCS 480-589113/2-A	Lab Control Sample	Total/NA	Solid	8151A	589113

LCMS

Prep Batch: 169023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-7	EB-01(07082021)	Total/NA	Water	3535	
MB 200-169023/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-169023/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 200-169023/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 169043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-7	EB-01(07082021)	Total/NA	Water	537 (modified)	169023
MB 200-169023/1-A	Method Blank	Total/NA	Water	537 (modified)	169023
LCS 200-169023/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	169023
LCSD 200-169023/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	169023

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Metals

Prep Batch: 588739

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	3050B	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	3050B	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	3050B	
MB 480-588739/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-588739/23-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-588739/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 588968

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	7471B	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	7471B	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	7471B	
MB 480-588968/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-588968/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 589092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	7471B	588968
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	7471B	588968
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	7471B	588968
MB 480-588968/1-A	Method Blank	Total/NA	Solid	7471B	588968
LCSSRM 480-588968/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	588968

Analysis Batch: 589342

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	6010C	588739
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	6010C	588739
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	6010C	588739
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	6010C	588739
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	6010C	588739
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	6010C	588739
MB 480-588739/1-A	Method Blank	Total/NA	Solid	6010C	588739
LCDSRM 480-588739/23-A	Lab Control Sample Dup	Total/NA	Solid	6010C	588739
LCSSRM 480-588739/2-A	Lab Control Sample	Total/NA	Solid	6010C	588739

General Chemistry

Analysis Batch: 588621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-186960-1	B-21-13 (3-4)(07082021)	Total/NA	Solid	Moisture	
480-186960-3	B-21-13 (10-11)(07082021)	Total/NA	Solid	Moisture	
480-186960-4	B-21-16 (5-6)(07082021)	Total/NA	Solid	Moisture	
480-186960-5	B-21-12 (6-7)(07082021)	Total/NA	Solid	Moisture	
480-186960-6	B-21-12 (9-10)(07082021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588621	07/09/21 19:55	CLA	TAL BUF

Client Sample ID: B-21-13 (3-4)(07082021)

Lab Sample ID: 480-186960-1

Date Collected: 07/08/21 08:00

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588798	07/09/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588790	07/12/21 23:21	CDC	TAL BUF
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589324	07/17/21 00:35	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 13:24	JLS	TAL BUF
Total/NA	Prep	3550C			588851	07/13/21 09:52	VXF	TAL BUF
Total/NA	Analysis	8082A		1	589085	07/14/21 19:53	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 17:52	JLS	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589342	07/15/21 21:08	AMH	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		2	589342	07/15/21 22:37	AMH	TAL BUF
Total/NA	Prep	7471B			588968	07/14/21 14:08	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589092	07/14/21 16:18	BMB	TAL BUF

Client Sample ID: B-21-13 (10-11)(07082021)

Lab Sample ID: 480-186960-3

Date Collected: 07/08/21 08:30

Matrix: Solid

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588621	07/09/21 19:55	CLA	TAL BUF

Client Sample ID: B-21-13 (10-11)(07082021)

Lab Sample ID: 480-186960-3

Date Collected: 07/08/21 08:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588798	07/09/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588790	07/12/21 23:46	CDC	TAL BUF

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588621	07/09/21 19:55	CLA	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-16 (5-6)(07082021)

Lab Sample ID: 480-186960-4

Date Collected: 07/08/21 10:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588798	07/09/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588790	07/13/21 00:10	CDC	TAL BUF
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		1	589324	07/17/21 00:59	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 13:44	JLS	TAL BUF
Total/NA	Prep	3550C			588851	07/13/21 09:52	VXF	TAL BUF
Total/NA	Analysis	8082A		1	589085	07/14/21 20:06	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 18:21	JLS	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589342	07/15/21 21:12	AMH	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		2	589342	07/15/21 22:41	AMH	TAL BUF
Total/NA	Prep	7471B			588968	07/14/21 14:08	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589092	07/14/21 16:22	BMB	TAL BUF

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588621	07/09/21 19:55	CLA	TAL BUF

Client Sample ID: B-21-12 (6-7)(07082021)

Lab Sample ID: 480-186960-5

Date Collected: 07/08/21 12:30

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588798	07/09/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588790	07/13/21 00:34	CDC	TAL BUF
Total/NA	Prep	3550C			588917	07/13/21 14:52	ATG	TAL BUF
Total/NA	Analysis	8270D		5	589324	07/17/21 01:24	JMM	TAL BUF
Total/NA	Prep	3550C			588984	07/14/21 07:54	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589118	07/15/21 14:04	JLS	TAL BUF
Total/NA	Prep	3550C			588851	07/13/21 09:52	VXF	TAL BUF
Total/NA	Analysis	8082A		1	589085	07/14/21 20:19	W1T	TAL BUF
Total/NA	Prep	8151A			589113	07/15/21 06:45	SMP	TAL BUF
Total/NA	Analysis	8151A		1	589497	07/19/21 18:51	JLS	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		1	589342	07/15/21 21:15	AMH	TAL BUF
Total/NA	Prep	3050B			588739	07/13/21 12:48	ADM	TAL BUF
Total/NA	Analysis	6010C		2	589342	07/15/21 22:45	AMH	TAL BUF
Total/NA	Prep	7471B			588968	07/14/21 14:08	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589092	07/14/21 16:23	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Client Sample ID: B-21-12 (9-10)(07082021)

Lab Sample ID: 480-186960-6

Date Collected: 07/08/21 12:15

Matrix: Solid

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	588621	07/09/21 19:55	CLA	TAL BUF

Client Sample ID: B-21-12 (9-10)(07082021)

Lab Sample ID: 480-186960-6

Date Collected: 07/08/21 12:15

Matrix: Solid

Date Received: 07/09/21 08:00

Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			588798	07/09/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	588790	07/13/21 00:58	CDC	TAL BUF

Client Sample ID: EB-01(07082021)

Lab Sample ID: 480-186960-7

Date Collected: 07/08/21 10:00

Matrix: Water

Date Received: 07/09/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			169023	07/13/21 11:43	CM	TAL BUR
Total/NA	Analysis	537 (modified)		1	169043	07/13/21 20:19	ND	TAL BUR

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	3535	Water	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-186960-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
480-186960-1	B-21-13 (3-4)(07082021)	Solid	07/08/21 08:00	07/09/21 08:00	
480-186960-3	B-21-13 (10-11)(07082021)	Solid	07/08/21 08:30	07/09/21 08:00	
480-186960-4	B-21-16 (5-6)(07082021)	Solid	07/08/21 10:30	07/09/21 08:00	
480-186960-5	B-21-12 (6-7)(07082021)	Solid	07/08/21 12:30	07/09/21 08:00	
480-186960-6	B-21-12 (9-10)(07082021)	Solid	07/08/21 12:15	07/09/21 08:00	
480-186960-7	EB-01(07082021)	Water	07/08/21 10:00	07/09/21 08:00	

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Client Information

Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: Li-Cycle: Lidesfri-Ridgeway Property
 Site:

Lab PM: Schove, John R.
 E-Mail: John.Schove@Eurofinset.com
 Phone: 315-559-2058
 PWSID

Due Date Requested: _____
TAT Requested (days): _____
Compliance Project: Yes No
Purchase Order Requested: _____
WO #: _____
Project #: 48023985
SSOW#: _____

SHORT HOLD

Analysis Requested

Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Analysis Requested
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	PFAS (21 analytes)
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Sample Identification

Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=tissue, A=air)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Total Num	Special Instructions/Note:
7/18/21	0800	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	XP
7/18/21	0830	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	
7/18/21	1030	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7	
7/18/21	1230	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	7	
7/18/21	1215	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	4	
7/18/21	1000	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	
7/18/21	1000	G	Solid		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	2	

Possible Hazard Identification

Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) IV

Empty Kit Relinquished by: _____
Relinquished by: _____
Relinquished by: _____
Relinquished by: _____

Custody Seals Intact: Yes No
Custody Seal No.: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: ASP Cal. B

Received by: _____
Received by: _____
Received by: _____

Date/Time: 7/18/21 1445
Date/Time: 7/18/21 1800
Date/Time: 7/19/21 0800


Company: ERM
Company: ERM
Company: ERM

Method of Shipment: _____
Temperature(s): _____
Other Remarks: _____

Client Information		Lab P#:		COC No:	
Client Contact:		Schove, John R		480-162811-35773.1	
Mr. Robert Sents		E-Mail:		Page:	
Company:		John.Schove@Eurofinset.com		Page 1 of 3	
Address:		PWSID:		Job #:	
5784 Widewaters Pkwy				056-3864	
City:		Due Date Requested:		Analysis Requested	
Dewitt		TAT Requested (days):			
State, Zip:		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
NY, 13214		Purchase Order Requested			
Phone:		PO #:			
315-445-2543(Tel)		WO #:			
Email:		Project #:			
robert.sents@erm.com		48023985			
Project Name:		SSOW#:			
Li-Cycle: Lidestri-Ridgeway Property					
Site:					

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other, A=air)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Total Number of Containers	Special Instructions/Note:
B-21-13 (3-4) (07082021)	7/8/21	0800	G	Solid	N	N	N	X	4	
B-21-13 (6-7) (07082021)	7/8/21	0830	G	Solid	N	N	N	X	4	
B-21-13 (10-11) (07082021)	7/8/21	0930	G	Solid	N	N	N	X	4	
B-21-16 (5-6) (07082021)	7/8/21	1030	G	Solid	N	N	N	X	4	
B-21-12 (6-7) (07082021)	7/8/21	1230	G	Solid	N	N	N	X	4	
B-21-12 (9-10) (07082021)	7/8/21	1215	G	Solid	N	N	N	X	4	
ED-01 (07082021)	7/8/21	1000	G	Solid	N	N	N	X	2	

480-186960 COC



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *Robert Sents* Date: 7/8/21 1445
 Relinquished by: *Robert Sents* Date: 7/8/21, 1900
 Relinquished by: _____ Date: _____

Special Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: ASP (A, B)

Received by: *Robert Sents* Date: 7/8/21 1445 Company: *ERM*
 Received by: *Taylor Sitchouse* Date: 7/8/21 1015 Company: *ERM*
 Received by: _____ Date: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____





Environment Testing
TestAmerica

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 08JUL21
ACTWGT: 10.00 LB MAN
CAD: 0883373/CAFE3504

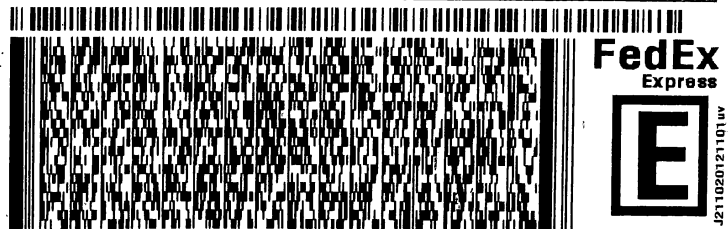
SYRACUSE, NY 13211
UNITED STATES US

BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1990
REF: ERM PFAS 1COOLER



FRI - 09 JUL 10:30A
PRIORITY OVERNIGHT

TRK# 9735 8147 0314
0201

IL BTVA

05403
VT-US **BTV**



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Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-186960-1

Login Number: 186960

List Number: 1

Creator: Stopa, Erik S

List Source: Eurofins TestAmerica, Buffalo

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	FROZEN @ 1000
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-186960-1

Login Number: 186960

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/09/21 03:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520896
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

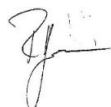
Laboratory Job ID: 480-187302-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Attn: Mr. Robert Sents



*Authorized for release by:
7/30/2021 4:25:09 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)

Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Job ID: 480-187302-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187302-1

Comments

No additional comments.

Receipt

The samples were received on 7/16/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.2° C.

Receipt Exceptions

Method 537 (modified): The following sample(s) was received at the laboratory outside the required temperature criteria: The cooler was received with a corrected temperature of 19.8°C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-589623 recovered above the upper control limit for Vinyl chloride. The samples associated with this CCV were non-detect for the affected analyte; therefore, the data have been reported. The associated samples are impacted: B-21-01 (4-5)(07142021) (480-187302-6) and B-21-15 (8-9)(07152021) (480-187302-9).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-589621 and analytical batch 480-589623 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-01 (4-5) (07142021) (480-187302-6) and B-21-15 (8-9)(07152021) (480-187302-9).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-589794 recovered above the upper control limit for 2-Butanone (MEK), 2-Hexanone, Carbon tetrachloride, Chloroethane, Chloromethane, Dichlorobromomethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-08 (0-1)(07142021) (480-187302-2) and B-21-01 (10-11)(07152021) (480-187302-7).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-589792 and analytical batch 480-589794 recovered outside control limits for the following analytes: Vinyl chloride and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-08 (0-1)(07142021) (480-187302-2) and B-21-01 (10-11)(07152021) (480-187302-7).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-590345 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-28 (5-6)(07142021) (480-187302-1), B-21-01 (2-3)(07142021) (480-187302-5), B-21-15 (1-2)(07152021) (480-187302-8) and B-21-11 (8-9)(07152021) (480-187302-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-28 (5-6)(07142021) (480-187302-1), B-21-01 (2-3)(07142021) (480-187302-5), B-21-15 (1-2)(07152021) (480-187302-8), B-21-11 (8-9)(07152021) (480-187302-10), (LCSSRM 480-589392/3-A) and (MB 480-589392/1-A)

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Job ID: 480-187302-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The method blank for preparation batch 480-589392 and analytical batch 480-589690 contained Total Potassium above the reporting limit (RL). Associated sample(s) B-21-28 (5-6)(07142021) (480-187302-1), B-21-01 (2-3)(07142021) (480-187302-5), B-21-15 (1-2)(07152021) (480-187302-8) and B-21-11 (8-9)(07152021) (480-187302-10) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-28 (5-6) (07142021) (480-187302-1), B-21-15 (1-2)(07152021) (480-187302-8) and B-21-11 (8-9)(07152021) (480-187302-10). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): The method blank for preparation batch 200-169235 and analytical batch 200-169320 contained Perfluorobutanesulfonic acid (PFBS) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method SHAKE: Sample arrived in container with Teflon lined cap. Samples were extracted as normal: B-21-08 (7-8)(07142021) (480-187302-3) and B-21-11 (2-3)(07152021) (480-187302-11).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.48	J B	2.0	0.36	ug/Kg	1	☒	8081B	Total/NA
Aluminum	8460	B	12.7	5.6	mg/Kg	1	☒	6010C	Total/NA
Arsenic	6.0		2.5	0.51	mg/Kg	1	☒	6010C	Total/NA
Barium	23.3	^	0.64	0.14	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.49		0.25	0.036	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.099	J	0.25	0.038	mg/Kg	1	☒	6010C	Total/NA
Calcium	213000		319	21.0	mg/Kg	5	☒	6010C	Total/NA
Chromium	7.9		0.64	0.25	mg/Kg	1	☒	6010C	Total/NA
Cobalt	6.4		0.64	0.064	mg/Kg	1	☒	6010C	Total/NA
Copper	13.0		6.4	1.3	mg/Kg	5	☒	6010C	Total/NA
Iron	12900		12.7	4.5	mg/Kg	1	☒	6010C	Total/NA
Lead	20.3		1.3	0.31	mg/Kg	1	☒	6010C	Total/NA
Magnesium	18600		25.5	1.2	mg/Kg	1	☒	6010C	Total/NA
Manganese	330		0.25	0.041	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.7		6.4	0.29	mg/Kg	1	☒	6010C	Total/NA
Potassium	3410	B	38.2	25.5	mg/Kg	1	☒	6010C	Total/NA
Sodium	202	B	178	16.6	mg/Kg	1	☒	6010C	Total/NA
Vanadium	10.2		0.64	0.14	mg/Kg	1	☒	6010C	Total/NA
Zinc	21.2		2.5	0.82	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: B-21-08 (0-1)(07142021)

Lab Sample ID: 480-187302-2

No Detections.

Client Sample ID: B-21-08 (7-8)(07142021)

Lab Sample ID: 480-187302-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.013	J B	0.23	0.011	ug/Kg	1	☒	537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	0.19	J	0.57	0.18	ug/Kg	1	☒	537 (modified)	Total/NA
Total Organic Carbon	40800		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	49	J	200	40	ug/Kg	1	☒	8270D	Total/NA
Caprolactam	86	J	200	61	ug/Kg	1	☒	8270D	Total/NA
Fluoranthene	32	J	200	21	ug/Kg	1	☒	8270D	Total/NA
Naphthalene	34	J	200	26	ug/Kg	1	☒	8270D	Total/NA
Methoxychlor	1.4	J	2.0	0.40	ug/Kg	1	☒	8081B	Total/NA
Aluminum	12000	B	12.5	5.5	mg/Kg	1	☒	6010C	Total/NA
Arsenic	3.7		2.5	0.50	mg/Kg	1	☒	6010C	Total/NA
Barium	85.2	^	0.63	0.14	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.55		0.25	0.035	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.14	J	0.25	0.038	mg/Kg	1	☒	6010C	Total/NA
Calcium	101000		62.7	4.1	mg/Kg	1	☒	6010C	Total/NA
Chromium	12.0		0.63	0.25	mg/Kg	1	☒	6010C	Total/NA
Cobalt	9.9		0.63	0.063	mg/Kg	1	☒	6010C	Total/NA
Copper	10.4		1.3	0.26	mg/Kg	1	☒	6010C	Total/NA
Iron	16700		12.5	4.4	mg/Kg	1	☒	6010C	Total/NA
Lead	8.7		1.3	0.30	mg/Kg	1	☒	6010C	Total/NA
Magnesium	12000		25.1	1.2	mg/Kg	1	☒	6010C	Total/NA
Manganese	370		0.25	0.040	mg/Kg	1	☒	6010C	Total/NA
Nickel	17.2		6.3	0.29	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (2-3)(07142021) (Continued)

Lab Sample ID: 480-187302-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	3220	B	37.6	25.1	mg/Kg	1	☒	6010C	Total/NA
Silver	0.49	J	0.75	0.25	mg/Kg	1	☒	6010C	Total/NA
Sodium	381	B	176	16.3	mg/Kg	1	☒	6010C	Total/NA
Vanadium	29.5		0.63	0.14	mg/Kg	1	☒	6010C	Total/NA
Zinc	31.0		2.5	0.80	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.014	J	0.022	0.0051	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-01 (4-5)(07142021)

Lab Sample ID: 480-187302-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.2	J	23	3.8	ug/Kg	1	☒	8260C	Total/NA
Benzene	0.59	J	4.5	0.22	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.1	J	4.5	0.69	ug/Kg	1	☒	8260C	Total/NA
Toluene	1.3	J	4.5	0.34	ug/Kg	1	☒	8260C	Total/NA
Xylenes, Total	0.82	J	9.1	0.76	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-01 (10-11)(07152021)

Lab Sample ID: 480-187302-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.88	J	5.2	0.25	ug/Kg	1	☒	8260C	Total/NA
Cyclohexane	0.91	J	5.2	0.73	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.2	J	5.2	0.79	ug/Kg	1	☒	8260C	Total/NA
Toluene	2.1	J	5.2	0.39	ug/Kg	1	☒	8260C	Total/NA
Xylenes, Total	1.2	J	10	0.87	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	13500	B	12.0	5.3	mg/Kg	1	☒	6010C	Total/NA
Arsenic	4.7		2.4	0.48	mg/Kg	1	☒	6010C	Total/NA
Barium	35.2	^	0.60	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.61		0.24	0.034	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.14	J	0.24	0.036	mg/Kg	1	☒	6010C	Total/NA
Calcium	189000		300	19.8	mg/Kg	5	☒	6010C	Total/NA
Chromium	11.9		0.60	0.24	mg/Kg	1	☒	6010C	Total/NA
Cobalt	5.4		0.60	0.060	mg/Kg	1	☒	6010C	Total/NA
Copper	10.2		6.0	1.3	mg/Kg	5	☒	6010C	Total/NA
Iron	11500		12.0	4.2	mg/Kg	1	☒	6010C	Total/NA
Lead	17.4		1.2	0.29	mg/Kg	1	☒	6010C	Total/NA
Magnesium	12400		24.0	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	336		0.24	0.038	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.5		6.0	0.28	mg/Kg	1	☒	6010C	Total/NA
Potassium	4220	B	35.9	24.0	mg/Kg	1	☒	6010C	Total/NA
Silver	0.30	J	0.72	0.24	mg/Kg	1	☒	6010C	Total/NA
Sodium	162	J B	168	15.6	mg/Kg	1	☒	6010C	Total/NA
Vanadium	14.5		0.60	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	29.8		2.4	0.77	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.017	J	0.022	0.0051	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-15 (8-9)(07152021)

Lab Sample ID: 480-187302-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.43	J	4.8	0.23	ug/Kg	1	☒	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (8-9)(07152021) (Continued)

Lab Sample ID: 480-187302-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	0.81	J	4.8	0.72	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.96	J	4.8	0.36	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methoxychlor	1.1	J	1.9	0.39	ug/Kg	1	☼	8081B	Total/NA
Aluminum	8170	B	12.2	5.3	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.2		2.4	0.49	mg/Kg	1	☼	6010C	Total/NA
Barium	17.7	^	0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.44		0.24	0.034	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.064	J	0.24	0.036	mg/Kg	1	☼	6010C	Total/NA
Calcium	187000		304	20.0	mg/Kg	5	☼	6010C	Total/NA
Chromium	8.2		0.61	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	4.3		0.61	0.061	mg/Kg	1	☼	6010C	Total/NA
Copper	10.9		6.1	1.3	mg/Kg	5	☼	6010C	Total/NA
Iron	10000		12.2	4.3	mg/Kg	1	☼	6010C	Total/NA
Lead	20.0		1.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Magnesium	17600		24.3	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	333		0.24	0.039	mg/Kg	1	☼	6010C	Total/NA
Nickel	10.6		6.1	0.28	mg/Kg	1	☼	6010C	Total/NA
Potassium	3910	B	36.5	24.3	mg/Kg	1	☼	6010C	Total/NA
Silver	0.31	J	0.73	0.24	mg/Kg	1	☼	6010C	Total/NA
Sodium	161	J B	170	15.8	mg/Kg	1	☼	6010C	Total/NA
Vanadium	9.2		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	23.2		2.4	0.78	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0088	J	0.023	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B-21-11 (2-3)(07152021)

Lab Sample ID: 480-187302-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.011	J B	0.23	0.011	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	0.80		0.57	0.19	ug/Kg	1	☼	537 (modified)	Total/NA
Total Organic Carbon	36700		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4-Dinitrophenol	1900	U	1900	920	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Chlorophenol	390	U	390	36	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Nitroaniline	390	U	390	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
3,3'-Dichlorobenzidine	390	U	390	230	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Methylphenol	390	U	390	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Nitroaniline	390	U	390	100	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Acenaphthene	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Acetophenone	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Anthracene	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Atrazine	200	U	200	69	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Biphenyl	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Caprolactam	200	U	200	60	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Carbazole	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Chrysene	200	U	200	45	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Fluorene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Isophorone	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Phenol	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1
Pyrene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 18:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	260	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 18:45	1
Benzene, 1,3-dimethyl-	270	T J N	ug/Kg	☼	3.73	108-38-3	07/20/21 08:40	07/23/21 18:45	1
9-Octadecenamide, (Z)-	330	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	07/20/21 08:40	07/23/21 18:45	1
2-Fluorobiphenyl (Surr)	82		60 - 120	07/20/21 08:40	07/23/21 18:45	1
2-Fluorophenol (Surr)	75		52 - 120	07/20/21 08:40	07/23/21 18:45	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/20/21 08:40	07/23/21 18:45	1
Phenol-d5 (Surr)	84		54 - 120	07/20/21 08:40	07/23/21 18:45	1
p-Terphenyl-d14 (Surr)	97		79 - 130	07/20/21 08:40	07/23/21 18:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
beta-BHC	0.48	J B	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 82.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
Toxaphene	20	U	20	12	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	07/19/21 07:53	07/20/21 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		45 - 120	07/19/21 07:53	07/20/21 13:53	1
DCB Decachlorobiphenyl	88		45 - 120	07/19/21 07:53	07/20/21 13:53	1
Tetrachloro-m-xylene	95		30 - 124	07/19/21 07:53	07/20/21 13:53	1
Tetrachloro-m-xylene	79		30 - 124	07/19/21 07:53	07/20/21 13:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	134		60 - 154	07/22/21 08:09	07/25/21 19:51	1
Tetrachloro-m-xylene	130		60 - 154	07/22/21 08:09	07/25/21 19:51	1
DCB Decachlorobiphenyl	122		65 - 174	07/22/21 08:09	07/25/21 19:51	1
DCB Decachlorobiphenyl	131		65 - 174	07/22/21 08:09	07/25/21 19:51	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	07/21/21 08:10	07/23/21 19:21	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	07/21/21 08:10	07/23/21 19:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		28 - 129	07/21/21 08:10	07/23/21 19:21	1
2,4-Dichlorophenylacetic acid	63		28 - 129	07/21/21 08:10	07/23/21 19:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8460	B	12.7	5.6	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Antimony	19.1	U	19.1	0.51	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Arsenic	6.0		2.5	0.51	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Barium	23.3	^	0.64	0.14	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Beryllium	0.49		0.25	0.036	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Cadmium	0.099	J	0.25	0.038	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Calcium	213000		319	21.0	mg/Kg	☼	07/16/21 15:33	07/20/21 13:10	5
Chromium	7.9		0.64	0.25	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Cobalt	6.4		0.64	0.064	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Copper	13.0		6.4	1.3	mg/Kg	☼	07/16/21 15:33	07/20/21 13:10	5
Iron	12900		12.7	4.5	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 82.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20.3		1.3	0.31	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Magnesium	18600		25.5	1.2	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Manganese	330		0.25	0.041	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Nickel	11.7		6.4	0.29	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Potassium	3410	B	38.2	25.5	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Silver	0.76	U	0.76	0.25	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Sodium	202	B	178	16.6	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Thallium	7.6	U	7.6	0.38	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Vanadium	10.2		0.64	0.14	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1
Zinc	21.2		2.5	0.82	mg/Kg	☼	07/16/21 15:33	07/20/21 01:07	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0051	mg/Kg	☼	07/23/21 12:57	07/23/21 15:45	1

Client Sample ID: B-21-08 (0-1)(07142021)

Lab Sample ID: 480-187302-2

Date Collected: 07/14/21 10:35

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 91.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.32	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.72	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,1-Dichloroethane	4.5	U	4.5	0.54	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,1-Dichloroethene	4.5	U	4.5	0.54	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2-Dibromoethane	4.5	U	4.5	0.57	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
1,4-Dichlorobenzene	4.5	U	4.5	0.62	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Acetone	22	U	22	3.7	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-08 (0-1)(07142021)

Lab Sample ID: 480-187302-2

Date Collected: 07/14/21 10:35

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 91.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4.5	U	4.5	0.57	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Cyclohexane	4.5	U	4.5	0.62	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Isopropylbenzene	4.5	U	4.5	0.67	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Methylene Chloride	4.5	U	4.5	2.0	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Trichloroethene	4.5	U	4.5	0.98	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Vinyl chloride	4.5	U TH	4.5	0.54	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1
Xylenes, Total	8.9	U	8.9	0.75	ug/Kg	☼	07/16/21 09:40	07/20/21 21:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/16/21 09:40	07/20/21 21:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	07/16/21 09:40	07/20/21 21:45	1
4-Bromofluorobenzene (Surr)	98		72 - 126	07/16/21 09:40	07/20/21 21:45	1
Dibromofluoromethane (Surr)	106		60 - 140	07/16/21 09:40	07/20/21 21:45	1
Toluene-d8 (Surr)	92		71 - 125	07/16/21 09:40	07/20/21 21:45	1

Client Sample ID: B-21-08 (7-8)(07142021)

Lab Sample ID: 480-187302-3

Date Collected: 07/14/21 10:50

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.7

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.3	U	2.3	0.018	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.3	U	2.3	0.036	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U	2.3	0.053	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U	2.3	0.042	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorobutanesulfonic acid (PFBS)	0.013	J B	0.23	0.011	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorobutanoic acid (PFBA)	0.19	J	0.57	0.18	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.014	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.014	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.024	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.017	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-08 (7-8)(07142021)

Lab Sample ID: 480-187302-3

Date Collected: 07/14/21 10:50

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.7

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.023	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.016	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.025	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.021	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorooctanesulfonamide (PFOSA)	0.23	U	0.23	0.019	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.018	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.029	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.045	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.026	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluorotridecanoic acid (PFTrIA)	0.23	U	0.23	0.017	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.023	ug/Kg	☼	07/20/21 09:53	07/21/21 20:00	1

Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFDA	78		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C2 PFDoA	69		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C2 PFHxA	81		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C2 PFTeDA	77		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C2 PFUnA	73		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C3 PFBS	84		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C4 PFBA	87		25 - 150				07/20/21 09:53	07/21/21 20:00	1
13C4 PFHpA	84		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C4 PFOA	83		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C4 PFOS	76		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C5 PFNA	81		50 - 150				07/20/21 09:53	07/21/21 20:00	1
13C5 PFPeA	84		25 - 150				07/20/21 09:53	07/21/21 20:00	1
13C8 FOSA	74		25 - 150				07/20/21 09:53	07/21/21 20:00	1
18O2 PFHxS	79		50 - 150				07/20/21 09:53	07/21/21 20:00	1
d3-NMeFOSAA	54		50 - 150				07/20/21 09:53	07/21/21 20:00	1
d5-NEtFOSAA	54		50 - 150				07/20/21 09:53	07/21/21 20:00	1
M2-6:2 FTS	79		25 - 150				07/20/21 09:53	07/21/21 20:00	1
M2-8:2 FTS	81		25 - 150				07/20/21 09:53	07/21/21 20:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	40800		1000	671	mg/Kg			07/20/21 15:54	1

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,3,4,6-Tetrachlorophenol	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4,5-Trichlorophenol	200	U	200	55	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2,4-Dinitrotoluene	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Methylnaphthalene	49	J	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Nitroaniline	390	U	390	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
3-Nitroaniline	390	U	390	56	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Bromophenyl phenyl ether	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Methylphenol	390	U	390	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Nitroaniline	390	U	390	110	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Acenaphthene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Acetophenone	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Anthracene	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Atrazine	200	U	200	70	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Biphenyl	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Caprolactam	86	J	200	61	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Carbazole	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Chrysene	200	U	200	45	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Fluoranthene	32	J	200	21	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Fluorene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Isophorone	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Naphthalene	34	J	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Nitrobenzene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Phenol	200	U	200	31	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1
Pyrene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	270	T J	ug/Kg	☼	3.24		07/20/21 08:40	07/23/21 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		54 - 120	07/20/21 08:40	07/23/21 19:10	1
2-Fluorobiphenyl (Surr)	85		60 - 120	07/20/21 08:40	07/23/21 19:10	1
2-Fluorophenol (Surr)	74		52 - 120	07/20/21 08:40	07/23/21 19:10	1
Nitrobenzene-d5 (Surr)	78		53 - 120	07/20/21 08:40	07/23/21 19:10	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 19:10	1
p-Terphenyl-d14 (Surr)	93		79 - 130	07/20/21 08:40	07/23/21 19:10	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
delta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
gamma-BHC (Lindane)	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Methoxychlor	1.4	J	2.0	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
Toxaphene	20	U	20	11	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	07/19/21 07:53	07/20/21 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	106		45 - 120	07/19/21 07:53	07/20/21 14:13	1
DCB Decachlorobiphenyl	96		45 - 120	07/19/21 07:53	07/20/21 14:13	1
Tetrachloro-m-xylene	102		30 - 124	07/19/21 07:53	07/20/21 14:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	77		30 - 124	07/19/21 07:53	07/20/21 14:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.058	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1221	0.29	U	0.29	0.058	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1232	0.29	U	0.29	0.058	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1242	0.29	U	0.29	0.058	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1248	0.29	U	0.29	0.058	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1254	0.29	U	0.29	0.14	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1
PCB-1260	0.29	U	0.29	0.14	mg/Kg	☆	07/22/21 08:09	07/25/21 20:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	128		60 - 154	07/22/21 08:09	07/25/21 20:04	1
Tetrachloro-m-xylene	128		60 - 154	07/22/21 08:09	07/25/21 20:04	1
DCB Decachlorobiphenyl	118		65 - 174	07/22/21 08:09	07/25/21 20:04	1
DCB Decachlorobiphenyl	129		65 - 174	07/22/21 08:09	07/25/21 20:04	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☆	07/21/21 08:10	07/23/21 19:51	1
Silvex (2,4,5-TP)	20	U	20	7.0	ug/Kg	☆	07/21/21 08:10	07/23/21 19:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129	07/21/21 08:10	07/23/21 19:51	1
2,4-Dichlorophenylacetic acid	69		28 - 129	07/21/21 08:10	07/23/21 19:51	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12000	B	12.5	5.5	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Antimony	18.8	U	18.8	0.50	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Arsenic	3.7		2.5	0.50	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Barium	85.2	^	0.63	0.14	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Beryllium	0.55		0.25	0.035	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Cadmium	0.14	J	0.25	0.038	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Calcium	101000		62.7	4.1	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Chromium	12.0		0.63	0.25	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Cobalt	9.9		0.63	0.063	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Copper	10.4		1.3	0.26	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Iron	16700		12.5	4.4	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Lead	8.7		1.3	0.30	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Magnesium	12000		25.1	1.2	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Manganese	370		0.25	0.040	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Nickel	17.2		6.3	0.29	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Potassium	3220	B	37.6	25.1	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Silver	0.49	J	0.75	0.25	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Sodium	381	B	176	16.3	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Thallium	7.5	U	7.5	0.38	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1
Vanadium	29.5		0.63	0.14	mg/Kg	☆	07/16/21 15:33	07/20/21 01:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	31.0		2.5	0.80	mg/Kg	☼	07/16/21 15:33	07/20/21 01:11	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.014	J	0.022	0.0051	mg/Kg	☼	07/23/21 12:57	07/23/21 15:49	1

Client Sample ID: B-21-01 (4-5)(07142021)

Lab Sample ID: 480-187302-6

Date Collected: 07/14/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2-Dichlorobenzene	4.5	U	4.5	0.36	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Acetone	7.2	J	23	3.8	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Benzene	0.59	J	4.5	0.22	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Cyclohexane	4.5	U	4.5	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Dichlorodifluoromethane	4.5	U	4.5	0.38	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Methylcyclohexane	1.1	J	4.5	0.69	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (4-5)(07142021)

Lab Sample ID: 480-187302-6

Date Collected: 07/14/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 90.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Toluene	1.3	J	4.5	0.34	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Vinyl chloride	4.5	U TH	4.5	0.55	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1
Xylenes, Total	0.82	J	9.1	0.76	ug/Kg	☼	07/16/21 09:40	07/20/21 01:40	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.8	T J	ug/Kg	☼	11.70		07/16/21 09:40	07/20/21 01:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	07/16/21 09:40	07/20/21 01:40	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/16/21 09:40	07/20/21 01:40	1
Dibromofluoromethane (Surr)	104		60 - 140	07/16/21 09:40	07/20/21 01:40	1
Toluene-d8 (Surr)	96		71 - 125	07/16/21 09:40	07/20/21 01:40	1

Client Sample ID: B-21-01 (10-11)(07152021)

Lab Sample ID: 480-187302-7

Date Collected: 07/15/21 08:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.84	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,1,2-Trichloroethane	5.2	U	5.2	0.67	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,1-Dichloroethane	5.2	U	5.2	0.63	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Acetone	26	U	26	4.4	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Benzene	0.88	J	5.2	0.25	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Bromomethane	5.2	U	5.2	0.47	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Carbon tetrachloride	5.2	U	5.2	0.50	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (10-11)(07152021)

Lab Sample ID: 480-187302-7

Date Collected: 07/15/21 08:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Chloroethane	5.2	U TH	5.2	1.2	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Chloroform	5.2	U	5.2	0.32	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Chloromethane	5.2	U	5.2	0.31	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
cis-1,2-Dichloroethene	5.2	U	5.2	0.66	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.75	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Cyclohexane	0.91	J	5.2	0.73	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Dibromochloromethane	5.2	U	5.2	0.66	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Ethylbenzene	5.2	U	5.2	0.36	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Isopropylbenzene	5.2	U	5.2	0.78	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Methyl acetate	26	U	26	3.1	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Methyl tert-butyl ether	5.2	U	5.2	0.51	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Methylcyclohexane	1.2	J	5.2	0.79	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Methylene Chloride	5.2	U	5.2	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Styrene	5.2	U	5.2	0.26	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Tetrachloroethene	5.2	U	5.2	0.70	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Toluene	2.1	J	5.2	0.39	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Trichloroethene	5.2	U	5.2	1.1	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Trichlorofluoromethane	5.2	U	5.2	0.49	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Vinyl chloride	5.2	U TH	5.2	0.63	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1
Xylenes, Total	1.2	J	10	0.87	ug/Kg	☼	07/16/21 09:40	07/20/21 22:09	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/16/21 09:40	07/20/21 22:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	07/16/21 09:40	07/20/21 22:09	1
4-Bromofluorobenzene (Surr)	88		72 - 126	07/16/21 09:40	07/20/21 22:09	1
Dibromofluoromethane (Surr)	103		60 - 140	07/16/21 09:40	07/20/21 22:09	1
Toluene-d8 (Surr)	98		71 - 125	07/16/21 09:40	07/20/21 22:09	1

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
1,4-Dioxane	120	U	120	67	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,3,4,6-Tetrachlorophenol	210	U	210	43	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4-Dimethylphenol	210	U	210	50	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,4-Dinitrotoluene	210	U	210	43	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	210	U	210	34	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2-Chlorophenol	400	U	400	38	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2-Methylphenol	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
2-Nitrophenol	210	U	210	58	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
3-Nitroaniline	400	U	400	57	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Chloroaniline	210	U	210	51	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Chlorophenyl phenyl ether	210	U	210	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Acenaphthene	210	U	210	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Acetophenone	210	U	210	28	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Anthracene	210	U	210	51	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Atrazine	210	U	210	72	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzaldehyde	210	U	210	160	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Biphenyl	210	U	210	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Bis(2-ethylhexyl) phthalate	210	U	210	71	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Caprolactam	210	U	210	62	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Carbazole	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Chrysene	210	U	210	46	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Dibenz(a,h)anthracene	210	U	210	37	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Fluorene	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Indeno[1,2,3-cd]pyrene	210	U	210	26	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1

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Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	210	U	210	44	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Phenanthrene	210	U	210	30	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Phenol	210	U	210	32	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1
Pyrene	210	U	210	24	ug/Kg	☼	07/20/21 08:40	07/23/21 19:35	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4000	T J	ug/Kg	☼	1.86		07/20/21 08:40	07/23/21 19:35	1
Unknown	390	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 19:35	1
Unknown	730	T J	ug/Kg	☼	5.12		07/20/21 08:40	07/23/21 19:35	1
Column Bleed	220	T J	ug/Kg	☼	6.55		07/20/21 08:40	07/23/21 19:35	1
Unknown	370	T J	ug/Kg	☼	10.10		07/20/21 08:40	07/23/21 19:35	1
9-Octadecenamide, (Z)-	290	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 19:35	1
Unknown	600	T J	ug/Kg	☼	15.55		07/20/21 08:40	07/23/21 19:35	1
Lanosta-9(11),24-dien-3-ol, acetate, (3.beta.)-	190	T J N	ug/Kg	☼	16.04	55570-91-7	07/20/21 08:40	07/23/21 19:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		54 - 120	07/20/21 08:40	07/23/21 19:35	1
2-Fluorobiphenyl (Surr)	100		60 - 120	07/20/21 08:40	07/23/21 19:35	1
2-Fluorophenol (Surr)	83		52 - 120	07/20/21 08:40	07/23/21 19:35	1
Nitrobenzene-d5 (Surr)	88		53 - 120	07/20/21 08:40	07/23/21 19:35	1
Phenol-d5 (Surr)	88		54 - 120	07/20/21 08:40	07/23/21 19:35	1
p-Terphenyl-d14 (Surr)	104		79 - 130	07/20/21 08:40	07/23/21 19:35	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Aldrin	2.0	U	2.0	0.50	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
delta-BHC	2.0	U	2.0	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endosulfan I	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endosulfan sulfate	2.0	U	2.0	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endrin	2.0	U	2.0	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endrin aldehyde	2.0	U	2.0	0.52	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Endrin ketone	2.0	U	2.0	0.50	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
gamma-BHC (Lindane)	2.0	U	2.0	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Heptachlor	2.0	U	2.0	0.44	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	20	U	20	12	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
trans-Chlordane	2.0	U	2.0	0.64	ug/Kg	☼	07/19/21 07:53	07/20/21 14:33	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120				07/19/21 07:53	07/20/21 14:33	1
DCB Decachlorobiphenyl	88		45 - 120				07/19/21 07:53	07/20/21 14:33	1
Tetrachloro-m-xylene	87		30 - 124				07/19/21 07:53	07/20/21 14:33	1
Tetrachloro-m-xylene	72		30 - 124				07/19/21 07:53	07/20/21 14:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.055	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1221	0.28	U	0.28	0.055	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1232	0.28	U	0.28	0.055	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1242	0.28	U	0.28	0.055	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1248	0.28	U	0.28	0.055	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	07/22/21 08:09	07/25/21 20:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	127		60 - 154				07/22/21 08:09	07/25/21 20:17	1
Tetrachloro-m-xylene	124		60 - 154				07/22/21 08:09	07/25/21 20:17	1
DCB Decachlorobiphenyl	111		65 - 174				07/22/21 08:09	07/25/21 20:17	1
DCB Decachlorobiphenyl	121		65 - 174				07/22/21 08:09	07/25/21 20:17	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	07/21/21 08:10	07/23/21 20:21	1
Silvex (2,4,5-TP)	20	U	20	7.2	ug/Kg	☼	07/21/21 08:10	07/23/21 20:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 129				07/21/21 08:10	07/23/21 20:21	1
2,4-Dichlorophenylacetic acid	70		28 - 129				07/21/21 08:10	07/23/21 20:21	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13500	B	12.0	5.3	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Antimony	18.0	U	18.0	0.48	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Arsenic	4.7		2.4	0.48	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Barium	35.2	^	0.60	0.13	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Beryllium	0.61		0.24	0.034	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Cadmium	0.14	J	0.24	0.036	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Calcium	189000		300	19.8	mg/Kg	☼	07/16/21 15:33	07/20/21 13:14	5
Chromium	11.9		0.60	0.24	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Cobalt	5.4		0.60	0.060	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Copper	10.2		6.0	1.3	mg/Kg	☼	07/16/21 15:33	07/20/21 13:14	5
Iron	11500		12.0	4.2	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Lead	17.4		1.2	0.29	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Magnesium	12400		24.0	1.1	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Manganese	336		0.24	0.038	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Nickel	11.5		6.0	0.28	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	4220	B	35.9	24.0	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Silver	0.30	J	0.72	0.24	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Sodium	162	J B	168	15.6	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Vanadium	14.5		0.60	0.13	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1
Zinc	29.8		2.4	0.77	mg/Kg	☼	07/16/21 15:33	07/20/21 01:15	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	J	0.022	0.0051	mg/Kg	☼	07/23/21 12:57	07/23/21 15:50	1

Client Sample ID: B-21-15 (8-9)(07152021)

Lab Sample ID: 480-187302-9

Date Collected: 07/15/21 13:10

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.77	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,1-Dichloroethene	4.8	U	4.8	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2-Dibromoethane	4.8	U	4.8	0.61	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Benzene	0.43	J	4.8	0.23	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Bromomethane	4.8	U	4.8	0.43	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Chloroethane	4.8	U TH	4.8	1.1	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Chloroform	4.8	U	4.8	0.29	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Chloromethane	4.8	U TH	4.8	0.29	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Cyclohexane	4.8	U	4.8	0.67	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (8-9)(07152021)

Lab Sample ID: 480-187302-9

Date Collected: 07/15/21 13:10

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.8	U	4.8	0.39	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Methylcyclohexane	0.81	J	4.8	0.72	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Toluene	0.96	J	4.8	0.36	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Trichloroethene	4.8	U	4.8	1.0	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Vinyl chloride	4.8	U TH	4.8	0.58	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	07/16/21 09:40	07/20/21 02:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/16/21 09:40	07/20/21 02:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	07/16/21 09:40	07/20/21 02:29	1
4-Bromofluorobenzene (Surr)	90		72 - 126	07/16/21 09:40	07/20/21 02:29	1
Dibromofluoromethane (Surr)	106		60 - 140	07/16/21 09:40	07/20/21 02:29	1
Toluene-d8 (Surr)	97		71 - 125	07/16/21 09:40	07/20/21 02:29	1

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4,5-Trichlorophenol	190	U	190	53	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4-Dichlorophenol	190	U	190	21	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Chloroaniline	190	U	190	48	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Methylphenol	380	U	380	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Nitroaniline	380	U	380	100	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
4-Nitrophenol	380	U	380	140	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Acenaphthene	190	U	190	29	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Acenaphthylene	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Acetophenone	190	U	190	26	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Anthracene	190	U	190	48	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Atrazine	190	U	190	68	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzaldehyde	190	U	190	150	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzo[a]pyrene	190	U	190	29	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzo[g,h,i]perylene	190	U	190	21	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Biphenyl	190	U	190	29	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Caprolactam	190	U	190	58	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Carbazole	190	U	190	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Chrysene	190	U	190	44	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Dibenzofuran	190	U	190	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Diethyl phthalate	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Dimethyl phthalate	190	U	190	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Fluoranthene	190	U	190	21	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Fluorene	190	U	190	23	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Hexachlorobenzene	190	U	190	26	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Hexachlorobutadiene	190	U	190	29	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Hexachloroethane	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Isophorone	190	U	190	41	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Naphthalene	190	U	190	25	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Nitrobenzene	190	U	190	22	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Pentachlorophenol	380	U	380	190	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Phenanthrene	190	U	190	29	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1
Phenol	190	U	190	30	ug/Kg	✳	07/20/21 08:40	07/23/21 19:59	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 19:59	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	300	T J	ug/Kg	☼	3.22		07/20/21 08:40	07/23/21 19:59	1
Unknown	210	T J	ug/Kg	☼	9.20		07/20/21 08:40	07/23/21 19:59	1
1,3-Cyclooctadiene	1100	T J N	ug/Kg	☼	10.11	1700-10-3	07/20/21 08:40	07/23/21 19:59	1
9-Octadecenamamide, (Z)-	680	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 19:59	1
Unknown	190	T J	ug/Kg	☼	15.56		07/20/21 08:40	07/23/21 19:59	1
Unknown	160	T J	ug/Kg	☼	16.04		07/20/21 08:40	07/23/21 19:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120	07/20/21 08:40	07/23/21 19:59	1
2-Fluorobiphenyl (Surr)	88		60 - 120	07/20/21 08:40	07/23/21 19:59	1
2-Fluorophenol (Surr)	79		52 - 120	07/20/21 08:40	07/23/21 19:59	1
Nitrobenzene-d5 (Surr)	83		53 - 120	07/20/21 08:40	07/23/21 19:59	1
Phenol-d5 (Surr)	85		54 - 120	07/20/21 08:40	07/23/21 19:59	1
p-Terphenyl-d14 (Surr)	99		79 - 130	07/20/21 08:40	07/23/21 19:59	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
gamma-BHC (Lindane)	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Methoxychlor	1.1	J	1.9	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	07/19/21 07:53	07/20/21 14:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120	07/19/21 07:53	07/20/21 14:52	1
DCB Decachlorobiphenyl	85		45 - 120	07/19/21 07:53	07/20/21 14:52	1
Tetrachloro-m-xylene	90		30 - 124	07/19/21 07:53	07/20/21 14:52	1
Tetrachloro-m-xylene	73		30 - 124	07/19/21 07:53	07/20/21 14:52	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.056	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	0.29	U	0.29	0.056	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1
PCB-1232	0.29	U	0.29	0.056	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1
PCB-1242	0.29	U	0.29	0.056	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1
PCB-1248	0.29	U	0.29	0.056	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1
PCB-1254	0.29	U	0.29	0.13	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1
PCB-1260	0.29	U	0.29	0.13	mg/Kg	☼	07/22/21 08:09	07/25/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	142		60 - 154	07/22/21 08:09	07/25/21 20:30	1
Tetrachloro-m-xylene	141		60 - 154	07/22/21 08:09	07/25/21 20:30	1
DCB Decachlorobiphenyl	131		65 - 174	07/22/21 08:09	07/25/21 20:30	1
DCB Decachlorobiphenyl	143		65 - 174	07/22/21 08:09	07/25/21 20:30	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/21/21 08:10	07/23/21 20:50	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	07/21/21 08:10	07/23/21 20:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		28 - 129	07/21/21 08:10	07/23/21 20:50	1
2,4-Dichlorophenylacetic acid	62		28 - 129	07/21/21 08:10	07/23/21 20:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8170	B	12.2	5.3	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Antimony	18.2	U	18.2	0.49	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Arsenic	4.2		2.4	0.49	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Barium	17.7	^	0.61	0.13	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Beryllium	0.44		0.24	0.034	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Cadmium	0.064	J	0.24	0.036	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Calcium	187000		304	20.0	mg/Kg	☼	07/16/21 15:33	07/20/21 13:18	5
Chromium	8.2		0.61	0.24	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Cobalt	4.3		0.61	0.061	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Copper	10.9		6.1	1.3	mg/Kg	☼	07/16/21 15:33	07/20/21 13:18	5
Iron	10000		12.2	4.3	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Lead	20.0		1.2	0.29	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Magnesium	17600		24.3	1.1	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Manganese	333		0.24	0.039	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Nickel	10.6		6.1	0.28	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Potassium	3910	B	36.5	24.3	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Selenium	4.9	U	4.9	0.49	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Silver	0.31	J	0.73	0.24	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Sodium	161	J B	170	15.8	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Thallium	7.3	U	7.3	0.36	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Vanadium	9.2		0.61	0.13	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1
Zinc	23.2		2.4	0.78	mg/Kg	☼	07/16/21 15:33	07/20/21 01:19	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0088	J	0.023	0.0054	mg/Kg	☼	07/23/21 12:57	07/23/21 15:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-11 (2-3)(07152021)

Lab Sample ID: 480-187302-11

Date Collected: 07/15/21 14:45

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.3	U	2.3	0.018	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.3	U	2.3	0.036	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.3	U	2.3	0.053	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.3	U	2.3	0.043	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorobutanesulfonic acid (PFBS)	0.011	J B	0.23	0.011	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorobutanoic acid (PFBA)	0.80		0.57	0.19	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorodecanesulfonic acid (PFDS)	0.23	U	0.23	0.014	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorodecanoic acid (PFDA)	0.23	U	0.23	0.014	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorododecanoic acid (PFDoA)	0.23	U	0.23	0.024	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.23	U	0.23	0.017	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluoroheptanoic acid (PFHpA)	0.23	U	0.23	0.023	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorohexanesulfonic acid (PFHxS)	0.23	U	0.23	0.016	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorohexanoic acid (PFHxA)	0.23	U	0.23	0.025	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorononanoic acid (PFNA)	0.23	U	0.23	0.021	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorooctanesulfonamide (PFOSA)	0.23	U	0.23	0.020	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorooctanesulfonic acid (PFOS)	0.23	U	0.23	0.018	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorooctanoic acid (PFOA)	0.23	U	0.23	0.029	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluoropentanoic acid (PFPeA)	0.23	U	0.23	0.045	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorotetradecanoic acid (PFTeA)	0.23	U	0.23	0.026	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluorotridecanoic acid (PFTriA)	0.23	U	0.23	0.017	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1
Perfluoroundecanoic acid (PFUnA)	0.23	U	0.23	0.023	ug/Kg	☼	07/20/21 09:53	07/21/21 20:08	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	83		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C2 PFDoA	68		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C2 PFHxA	85		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C2 PFTeDA	76		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C2 PFUnA	76		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C3 PFBS	79		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C4 PFBA	88		25 - 150	07/20/21 09:53	07/21/21 20:08	1
13C4 PFHpA	85		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C4 PFOA	81		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C4 PFOS	77		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C5 PFNA	78		50 - 150	07/20/21 09:53	07/21/21 20:08	1
13C5 PFPeA	84		25 - 150	07/20/21 09:53	07/21/21 20:08	1
13C8 FOSA	74		25 - 150	07/20/21 09:53	07/21/21 20:08	1
18O2 PFHxS	75		50 - 150	07/20/21 09:53	07/21/21 20:08	1
d3-NMeFOSAA	54		50 - 150	07/20/21 09:53	07/21/21 20:08	1
d5-NEtFOSAA	55		50 - 150	07/20/21 09:53	07/21/21 20:08	1
M2-6:2 FTS	73		25 - 150	07/20/21 09:53	07/21/21 20:08	1
M2-8:2 FTS	72		25 - 150	07/20/21 09:53	07/21/21 20:08	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	36700		1000	671	mg/Kg			07/20/21 15:59	1

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187302-2	B-21-08 (0-1)(07142021)	115	98	106	92
480-187302-6	B-21-01 (4-5)(07142021)	109	94	104	96
480-187302-7	B-21-01 (10-11)(07152021)	106	88	103	98
480-187302-9	B-21-15 (8-9)(07152021)	111	90	106	97
LCS 480-589621/1-A	Lab Control Sample	101	98	99	95
LCS 480-589792/1-A	Lab Control Sample	103	98	101	93
MB 480-589621/2-A	Method Blank	103	95	102	94
MB 480-589792/2-A	Method Blank	104	93	103	93

Surrogate Legend
DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187302-1	B-21-28 (5-6)(07142021)	88	82	75	76	84	97
480-187302-5	B-21-01 (2-3)(07142021)	86	85	74	78	80	93
480-187302-8	B-21-15 (1-2)(07152021)	95	100	83	88	88	104
480-187302-10	B-21-11 (8-9)(07152021)	90	88	79	83	85	99
LCS 480-589664/2-A	Lab Control Sample	101	95	77	87	78	93
MB 480-589664/1-A	Method Blank	83	80	72	75	80	90

Surrogate Legend
TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187302-1	B-21-28 (5-6)(07142021)	98	88	95	79
480-187302-5	B-21-01 (2-3)(07142021)	106	96	102	77
480-187302-8	B-21-15 (1-2)(07152021)	94	88	87	72
480-187302-10	B-21-11 (8-9)(07152021)	94	85	90	73
LCS 480-589493/2-A	Lab Control Sample	83	71	69	58
MB 480-589493/1-A	Method Blank	89	96	79	66

Surrogate Legend
DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1	TCX2	DCBP1	DCBP2
		(60-154)	(60-154)	(65-174)	(65-174)
480-187302-1	B-21-28 (5-6)(07142021)	134	130	122	131
480-187302-5	B-21-01 (2-3)(07142021)	128	128	118	129
480-187302-8	B-21-15 (1-2)(07152021)	127	124	111	121
480-187302-10	B-21-11 (8-9)(07152021)	142	141	131	143
LCS 480-590009/2-A	Lab Control Sample	132	129	122	129
MB 480-590009/1-A	Method Blank	126	125	114	122

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1	DCPAA2
		(28-129)	(28-129)
480-187302-1	B-21-28 (5-6)(07142021)	70	63
480-187302-5	B-21-01 (2-3)(07142021)	71	69
480-187302-8	B-21-15 (1-2)(07152021)	69	70
480-187302-10	B-21-11 (8-9)(07152021)	62	62
LCS 480-589824/2-A	Lab Control Sample	74	60
MB 480-589824/1-A	Method Blank	66	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187302-3	B-21-08 (7-8)(07142021)	78	69	81	77	73	84	87	84
480-187302-11	B-21-11 (2-3)(07152021)	83	68	85	76	76	79	88	85
LCS 200-169235/2-A	Lab Control Sample	83	69	100	70	72	112	105	97
MB 200-169235/1-A	Method Blank	88	66	101	69	74	103	103	101

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187302-3	B-21-08 (7-8)(07142021)	83	76	81	84	74	79	54	54
480-187302-11	B-21-11 (2-3)(07152021)	81	77	78	84	74	75	54	55
LCS 200-169235/2-A	Lab Control Sample	102	93	93	103	79	103	63	60
MB 200-169235/1-A	Method Blank	97	95	92	99	80	99	69	64

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187302-3	B-21-08 (7-8)(07142021)	79	81
480-187302-11	B-21-11 (2-3)(07152021)	73	72
LCS 200-169235/2-A	Lab Control Sample	111	93
MB 200-169235/1-A	Method Blank	107	100

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-589621/2-A
Matrix: Solid
Analysis Batch: 589623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589621

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Acetone	25	U	25	4.2	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/19/21 17:56	07/19/21 22:28	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/19/21 17:56	07/19/21 22:28	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-589621/2-A
Matrix: Solid
Analysis Batch: 589623

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589621

<i>Tentatively Identified Compound</i>	<i>MB</i>	<i>MB</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/Kg				07/19/21 17:56	07/19/21 22:28	1
<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	103		64 - 126				07/19/21 17:56	07/19/21 22:28	1
<i>4-Bromofluorobenzene (Surr)</i>	95		72 - 126				07/19/21 17:56	07/19/21 22:28	1
<i>Dibromofluoromethane (Surr)</i>	102		60 - 140				07/19/21 17:56	07/19/21 22:28	1
<i>Toluene-d8 (Surr)</i>	94		71 - 125				07/19/21 17:56	07/19/21 22:28	1

Lab Sample ID: LCS 480-589621/1-A
Matrix: Solid
Analysis Batch: 589623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589621

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	55.1		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	49.8		ug/Kg		100	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.8		ug/Kg		100	60 - 140
1,1,2-Trichloroethane	50.0	50.8		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	53.6		ug/Kg		107	73 - 126
1,1-Dichloroethene	50.0	51.1		ug/Kg		102	59 - 125
1,2,4-Trichlorobenzene	50.0	43.2		ug/Kg		86	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	47.7		ug/Kg		95	63 - 124
1,2-Dibromoethane	50.0	48.7		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	47.3		ug/Kg		95	75 - 120
1,2-Dichloroethane	50.0	53.5		ug/Kg		107	77 - 122
1,2-Dichloropropane	50.0	52.7		ug/Kg		105	75 - 124
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	49.1		ug/Kg		98	73 - 120
2-Butanone (MEK)	250	256		ug/Kg		103	70 - 134
2-Hexanone	250	264		ug/Kg		106	59 - 130
4-Methyl-2-pentanone (MIBK)	250	250		ug/Kg		100	65 - 133
Acetone	250	250		ug/Kg		100	61 - 137
Benzene	50.0	53.4		ug/Kg		107	79 - 127
Bromodichloromethane	50.0	57.3		ug/Kg		115	80 - 122
Bromoform	50.0	49.8		ug/Kg		100	68 - 126
Bromomethane	50.0	66.2		ug/Kg		132	37 - 149
Carbon disulfide	50.0	50.3		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	57.3		ug/Kg		115	75 - 135
Chlorobenzene	50.0	48.8		ug/Kg		98	76 - 124
Chloroethane	50.0	78.1	TH	ug/Kg		156	69 - 135
Chloroform	50.0	53.9		ug/Kg		108	80 - 120
Chloromethane	50.0	64.8	TH	ug/Kg		130	63 - 127
cis-1,2-Dichloroethene	50.0	52.0		ug/Kg		104	81 - 120
cis-1,3-Dichloropropene	50.0	53.8		ug/Kg		108	80 - 120
Cyclohexane	50.0	46.9		ug/Kg		94	65 - 120
Dibromochloromethane	50.0	54.7		ug/Kg		109	76 - 125
Dichlorodifluoromethane	50.0	36.4		ug/Kg		73	57 - 142
Ethylbenzene	50.0	50.9		ug/Kg		102	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-589621/1-A
Matrix: Solid
Analysis Batch: 589623

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589621

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.0		ug/Kg		96	72 - 120
Methyl acetate	100	98.5		ug/Kg		99	55 - 136
Methyl tert-butyl ether	50.0	49.7		ug/Kg		99	63 - 125
Methylcyclohexane	50.0	48.8		ug/Kg		98	60 - 140
Methylene Chloride	50.0	58.5		ug/Kg		117	61 - 127
Styrene	50.0	48.9		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	47.2		ug/Kg		94	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	53.8		ug/Kg		108	78 - 126
Trichloroethene	50.0	51.9		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	57.8		ug/Kg		116	65 - 146
Vinyl chloride	50.0	69.5	TH	ug/Kg		139	61 - 133
Xylenes, Total	100	97.8		ug/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	95		71 - 125

Lab Sample ID: MB 480-589792/2-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589792

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Acetone	25	U	25	4.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-589792/2-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589792

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/20/21 17:38	07/20/21 21:20	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				07/20/21 17:38	07/20/21 21:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/20/21 17:38	07/20/21 21:20	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/20/21 17:38	07/20/21 21:20	1
Dibromofluoromethane (Surr)	103		60 - 140	07/20/21 17:38	07/20/21 21:20	1
Toluene-d8 (Surr)	93		71 - 125	07/20/21 17:38	07/20/21 21:20	1

Lab Sample ID: LCS 480-589792/1-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589792

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	50.0	54.9		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.3		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	51.2		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	54.1		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	50.7		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	43.5		ug/Kg		87	64 - 120

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-589792/1-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/Kg		105	63 - 124
1,2-Dibromoethane	50.0	49.6		ug/Kg		99	78 - 120
1,2-Dichlorobenzene	50.0	48.4		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	55.7		ug/Kg		111	77 - 122
1,2-Dichloropropane	50.0	53.8		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	49.6		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	284		ug/Kg		114	70 - 134
2-Hexanone	250	286		ug/Kg		114	59 - 130
4-Methyl-2-pentanone (MIBK)	250	267		ug/Kg		107	65 - 133
Acetone	250	276		ug/Kg		110	61 - 137
Benzene	50.0	53.9		ug/Kg		108	79 - 127
Bromodichloromethane	50.0	58.7		ug/Kg		117	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	62.0		ug/Kg		124	37 - 149
Carbon disulfide	50.0	49.2		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	58.4		ug/Kg		117	75 - 135
Chlorobenzene	50.0	49.0		ug/Kg		98	76 - 124
Chloroethane	50.0	71.7	TH	ug/Kg		143	69 - 135
Chloroform	50.0	55.2		ug/Kg		110	80 - 120
Chloromethane	50.0	62.5		ug/Kg		125	63 - 127
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	81 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	80 - 120
Cyclohexane	50.0	46.9		ug/Kg		94	65 - 120
Dibromochloromethane	50.0	55.9		ug/Kg		112	76 - 125
Dichlorodifluoromethane	50.0	36.2		ug/Kg		72	57 - 142
Ethylbenzene	50.0	50.6		ug/Kg		101	80 - 120
Isopropylbenzene	50.0	48.1		ug/Kg		96	72 - 120
Methyl acetate	100	107		ug/Kg		107	55 - 136
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	49.5		ug/Kg		99	60 - 140
Methylene Chloride	50.0	56.1		ug/Kg		112	61 - 127
Styrene	50.0	49.3		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	47.8		ug/Kg		96	74 - 122
Toluene	50.0	49.5		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	54.0		ug/Kg		108	78 - 126
Trichloroethene	50.0	52.0		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	56.6		ug/Kg		113	65 - 146
Vinyl chloride	50.0	67.1	TH	ug/Kg		134	61 - 133
Xylenes, Total	100	98.4		ug/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	93		71 - 125

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-589664/1-A
Matrix: Solid
Analysis Batch: 590204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589664

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
1,4-Dioxane	99	U	99	55	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrophenol	1600	U	1600	780	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylphenol	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Methylphenol	330	U	330	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitroaniline	330	U	330	88	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthylene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acetophenone	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Anthracene	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Atrazine	170	U	170	59	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzaldehyde	170	U	170	130	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Biphenyl	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Caprolactam	170	U	170	51	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Carbazole	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Chrysene	170	U	170	38	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenzofuran	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589664/1-A
Matrix: Solid
Analysis Batch: 590204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589664

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluoranthene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluorene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachloroethane	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Isophorone	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Naphthalene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene	170	U	170	19	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenanthrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenol	170	U	170	26	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pyrene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	3930	T J	ug/Kg		1.87		07/20/21 08:40	07/23/21 11:49	1
Unknown	496	T J	ug/Kg		3.24		07/20/21 08:40	07/23/21 11:49	1
Benzene, 1,3-dimethyl-	144	T J N	ug/Kg		3.74	108-38-3	07/20/21 08:40	07/23/21 11:49	1
Column Bleed	234	T J	ug/Kg		6.58		07/20/21 08:40	07/23/21 11:49	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	83		54 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorobiphenyl (Surr)	80		60 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorophenol (Surr)	72		52 - 120	07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/20/21 08:40	07/23/21 11:49	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 11:49	1
p-Terphenyl-d14 (Surr)	90		79 - 130	07/20/21 08:40	07/23/21 11:49	1

Lab Sample ID: LCS 480-589664/2-A
Matrix: Solid
Analysis Batch: 590035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589664

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
1,2,4,5-Tetrachlorobenzene	1630	1600		ug/Kg		98		59 - 125
1,4-Dioxane	1630	857		ug/Kg		53		23 - 120
2,3,4,6-Tetrachlorophenol	1630	1430		ug/Kg		88		64 - 120
2,4,5-Trichlorophenol	1630	1510		ug/Kg		93		59 - 126
2,4,6-Trichlorophenol	1630	1470		ug/Kg		91		59 - 123
2,4-Dichlorophenol	1630	1410		ug/Kg		87		61 - 120
2,4-Dimethylphenol	1630	1390		ug/Kg		86		59 - 120
2,4-Dinitrophenol	3250	1610		ug/Kg		50		41 - 146

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-589664/2-A
Matrix: Solid
Analysis Batch: 590035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	1630	1460		ug/Kg		90	63 - 120
2,6-Dinitrotoluene	1630	1490		ug/Kg		91	66 - 120
2-Chloronaphthalene	1630	1520		ug/Kg		93	57 - 120
2-Chlorophenol	1630	1270		ug/Kg		78	53 - 120
2-Methylnaphthalene	1630	1390		ug/Kg		86	59 - 120
2-Methylphenol	1630	1340		ug/Kg		82	54 - 120
2-Nitroaniline	1630	1510		ug/Kg		93	61 - 120
2-Nitrophenol	1630	1460		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3250	3430		ug/Kg		106	54 - 120
3-Nitroaniline	1630	1330		ug/Kg		82	48 - 120
4,6-Dinitro-2-methylphenol	3250	2620		ug/Kg		80	49 - 122
4-Bromophenyl phenyl ether	1630	1770		ug/Kg		109	58 - 120
4-Chloro-3-methylphenol	1630	1410		ug/Kg		87	61 - 120
4-Chloroaniline	1630	1140		ug/Kg		70	38 - 120
4-Chlorophenyl phenyl ether	1630	1570		ug/Kg		97	63 - 124
4-Methylphenol	1630	1330		ug/Kg		82	55 - 120
4-Nitroaniline	1630	1330		ug/Kg		82	56 - 120
4-Nitrophenol	3250	2810		ug/Kg		86	43 - 147
Acenaphthene	1630	1530		ug/Kg		94	62 - 120
Acenaphthylene	1630	1570		ug/Kg		97	58 - 121
Acetophenone	1630	1360		ug/Kg		84	54 - 120
Anthracene	1630	1740		ug/Kg		107	62 - 120
Atrazine	3250	2760		ug/Kg		85	60 - 127
Benzaldehyde	3250	2510		ug/Kg		77	10 - 150
Benzo[a]anthracene	1630	1760		ug/Kg		108	65 - 120
Benzo[a]pyrene	1630	1650		ug/Kg		101	64 - 120
Benzo[b]fluoranthene	1630	1670		ug/Kg		103	64 - 120
Benzo[g,h,i]perylene	1630	1770		ug/Kg		109	45 - 145
Benzo[k]fluoranthene	1630	1620		ug/Kg		100	65 - 120
Biphenyl	1630	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1630	1310		ug/Kg		80	44 - 120
Bis(2-chloroethoxy)methane	1630	1440		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1630	1310		ug/Kg		81	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1470		ug/Kg		90	61 - 133
Butyl benzyl phthalate	1630	1590		ug/Kg		98	61 - 129
Caprolactam	3250	2850		ug/Kg		88	47 - 120
Carbazole	1630	1680		ug/Kg		103	65 - 120
Chrysene	1630	1730		ug/Kg		107	64 - 120
Dibenz(a,h)anthracene	1630	1910		ug/Kg		117	54 - 132
Dibenzofuran	1630	1570		ug/Kg		96	63 - 120
Diethyl phthalate	1630	1560		ug/Kg		96	66 - 120
Dimethyl phthalate	1630	1580		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1630	1660		ug/Kg		102	58 - 130
Di-n-octyl phthalate	1630	1570		ug/Kg		96	57 - 133
Fluoranthene	1630	1630		ug/Kg		100	62 - 120
Fluorene	1630	1530		ug/Kg		94	63 - 120
Hexachlorobenzene	1630	1780		ug/Kg		110	60 - 120
Hexachlorobutadiene	1630	1420		ug/Kg		87	45 - 120
Hexachlorocyclopentadiene	1630	790		ug/Kg		49	47 - 120

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-589664/2-A
Matrix: Solid
Analysis Batch: 590035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	1630	1230		ug/Kg		76	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1800		ug/Kg		111	56 - 134
Isophorone	1630	1520		ug/Kg		93	56 - 120
Naphthalene	1630	1420		ug/Kg		88	55 - 120
Nitrobenzene	1630	1430		ug/Kg		88	54 - 120
N-Nitrosodi-n-propylamine	1630	1410		ug/Kg		87	52 - 120
N-Nitrosodiphenylamine	1630	1750		ug/Kg		108	51 - 128
Pentachlorophenol	3250	3240		ug/Kg		100	51 - 120
Phenanthrene	1630	1770		ug/Kg		109	60 - 120
Phenol	1630	1210		ug/Kg		74	53 - 120
Pyrene	1630	1610		ug/Kg		99	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl (Surr)	95		60 - 120
2-Fluorophenol (Surr)	77		52 - 120
Nitrobenzene-d5 (Surr)	87		53 - 120
Phenol-d5 (Surr)	78		54 - 120
p-Terphenyl-d14 (Surr)	93		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-589493/1-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589493

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
beta-BHC	0.770	J	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
cis-Chlordane	1.7	U	1.7	0.82	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin	1.7	U	1.7	0.33	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
gamma-BHC (Lindane)	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Toxaphene	17	U	17	9.6	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		07/19/21 07:53	07/20/21 09:39	1

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-589493/1-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589493

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	89		45 - 120	07/19/21 07:53	07/20/21 09:39	1
DCB Decachlorobiphenyl	96		45 - 120	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	79		30 - 124	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	66		30 - 124	07/19/21 07:53	07/20/21 09:39	1

Lab Sample ID: LCS 480-589493/2-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.3	15.5		ug/Kg		95	56 - 120
4,4'-DDE	16.3	13.4		ug/Kg		82	44 - 120
4,4'-DDT	16.3	14.2		ug/Kg		87	38 - 120
Aldrin	16.3	9.64		ug/Kg		59	38 - 120
alpha-BHC	16.3	9.12		ug/Kg		56	39 - 120
beta-BHC	16.3	10.4		ug/Kg		64	40 - 120
cis-Chlordane	16.3	11.6		ug/Kg		71	47 - 120
delta-BHC	16.3	9.24		ug/Kg		57	45 - 120
Dieldrin	16.3	14.6		ug/Kg		90	58 - 120
Endosulfan I	16.3	11.1		ug/Kg		68	49 - 120
Endosulfan II	16.3	13.1		ug/Kg		81	55 - 120
Endosulfan sulfate	16.3	9.98		ug/Kg		61	49 - 124
Endrin	16.3	14.8		ug/Kg		91	58 - 120
Endrin aldehyde	16.3	12.0		ug/Kg		74	37 - 121
Endrin ketone	16.3	13.5		ug/Kg		83	46 - 123
gamma-BHC (Lindane)	16.3	9.91		ug/Kg		61	50 - 120
Heptachlor	16.3	10.2		ug/Kg		63	50 - 120
Heptachlor epoxide	16.3	10.4		ug/Kg		64	50 - 120
Methoxychlor	16.3	19.4		ug/Kg		120	58 - 133
trans-Chlordane	16.3	12.2		ug/Kg		75	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	83		45 - 120
DCB Decachlorobiphenyl	71		45 - 120
Tetrachloro-m-xylene	69		30 - 124
Tetrachloro-m-xylene	58		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590009/1-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590009

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-590009/1-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590009

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1248	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	126		60 - 154	07/22/21 08:09	07/25/21 17:56	1
Tetrachloro-m-xylene	125		60 - 154	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	114		65 - 174	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	122		65 - 174	07/22/21 08:09	07/25/21 17:56	1

Lab Sample ID: LCS 480-590009/2-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590009

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	2.23	2.75		mg/Kg		123	51 - 185
PCB-1260	2.23	2.66		mg/Kg		119	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	132		60 - 154
Tetrachloro-m-xylene	129		60 - 154
DCB Decachlorobiphenyl	122		65 - 174
DCB Decachlorobiphenyl	129		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589824/1-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589824

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	16	U	16	10	ug/Kg		07/21/21 08:10	07/23/21 12:54	1
Silvex (2,4,5-TP)	16	U	16	5.8	ug/Kg		07/21/21 08:10	07/23/21 12:54	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1

Lab Sample ID: LCS 480-589824/2-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589824

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
2,4-D	65.6	45.1		ug/Kg		69	40 - 120
Silvex (2,4,5-TP)	65.6	45.3		ug/Kg		69	39 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	74		28 - 129

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-589824/2-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589824

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	60		28 - 129

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169235/1-A
Matrix: Solid
Analysis Batch: 169320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169235

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NETFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorobutanesulfonic acid (PFBS)	0.0140	J	0.20	0.0093	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluorotridecanoic acid (PFTrIA)	0.20	U	0.20	0.015	ug/Kg		07/20/21 09:53	07/21/21 18:46	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/20/21 09:53	07/21/21 18:46	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	88		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C2 PFDoA	66		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C2 PFHxA	101		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C2 PFTeDA	69		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C2 PFUnA	74		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C3 PFBS	103		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C4 PFBA	103		25 - 150	07/20/21 09:53	07/21/21 18:46	1
13C4 PFHpA	101		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C4 PFOA	97		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C4 PFOS	95		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C5 PFNA	92		50 - 150	07/20/21 09:53	07/21/21 18:46	1
13C5 PFPeA	99		25 - 150	07/20/21 09:53	07/21/21 18:46	1
13C8 FOSA	80		25 - 150	07/20/21 09:53	07/21/21 18:46	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169235/1-A
Matrix: Solid
Analysis Batch: 169320

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169235

<i>Isotope Dilution</i>	<i>MB MB</i>		<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
	<i>%Recovery</i>	<i>Qualifier</i>				
18O2 PFHxS	99		50 - 150	07/20/21 09:53	07/21/21 18:46	1
d3-NMeFOSAA	69		50 - 150	07/20/21 09:53	07/21/21 18:46	1
d5-NEtFOSAA	64		50 - 150	07/20/21 09:53	07/21/21 18:46	1
M2-6:2 FTS	107		25 - 150	07/20/21 09:53	07/21/21 18:46	1
M2-8:2 FTS	100		25 - 150	07/20/21 09:53	07/21/21 18:46	1

Lab Sample ID: LCS 200-169235/2-A
Matrix: Solid
Analysis Batch: 169320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169235

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.98	J	ug/Kg		104	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.25		ug/Kg		113	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.00	2.48		ug/Kg		124	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.77		ug/Kg		100	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.20		ug/Kg		110	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.57		ug/Kg		81	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.30		ug/Kg		115	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.14		ug/Kg		107	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.32		ug/Kg		122	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	2.20		ug/Kg		110	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.93		ug/Kg		106	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.20		ug/Kg		110	70 - 130
Perfluorononanoic acid (PFNA)	2.00	2.18		ug/Kg		109	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.30		ug/Kg		115	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	2.02		ug/Kg		109	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	2.05		ug/Kg		103	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	2.07		ug/Kg		103	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.34		ug/Kg		117	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.13		ug/Kg		106	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.25		ug/Kg		113	70 - 130

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C2 PFDA	83		50 - 150
13C2 PFDoA	69		50 - 150
13C2 PFHxA	100		50 - 150
13C2 PFTeDA	70		50 - 150

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169235/2-A
Matrix: Solid
Analysis Batch: 169320

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169235

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFUnA	72		50 - 150
13C3 PFBS	112		50 - 150
13C4 PFBA	105		25 - 150
13C4 PFHpA	97		50 - 150
13C4 PFOA	102		50 - 150
13C4 PFOS	93		50 - 150
13C5 PFNA	93		50 - 150
13C5 PFPeA	103		25 - 150
13C8 FOSA	79		25 - 150
18O2 PFHxS	103		50 - 150
d3-NMeFOSAA	63		50 - 150
d5-NEtFOSAA	60		50 - 150
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	93		25 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-589392/1-A
Matrix: Solid
Analysis Batch: 589690

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589392

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	6.98	J	10.5	4.6	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Antimony	15.8	U	15.8	0.42	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Arsenic	2.1	U	2.1	0.42	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Barium	0.53	U ^	0.53	0.12	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Cadmium	0.21	U	0.21	0.032	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Calcium	52.5	U	52.5	3.5	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Chromium	0.53	U	0.53	0.21	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Cobalt	0.53	U	0.53	0.053	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Iron	10.5	U	10.5	3.7	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Lead	1.1	U	1.1	0.25	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Magnesium	21.0	U	21.0	0.97	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Manganese	0.21	U	0.21	0.034	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Nickel	5.3	U	5.3	0.24	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Potassium	40.78		31.5	21.0	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Selenium	4.2	U	4.2	0.42	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Silver	0.63	U	0.63	0.21	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Thallium	6.3	U	6.3	0.32	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Vanadium	0.53	U	0.53	0.12	mg/Kg		07/16/21 15:33	07/19/21 23:28	1
Zinc	2.1	U	2.1	0.67	mg/Kg		07/16/21 15:33	07/19/21 23:28	1

Lab Sample ID: MB 480-589392/1-A
Matrix: Solid
Analysis Batch: 589750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589392

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	1.1	U	1.1	0.22	mg/Kg		07/16/21 15:33	07/20/21 12:20	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-589392/1-A
Matrix: Solid
Analysis Batch: 589750

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589392

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sodium	147	U	147	13.7	mg/Kg		07/16/21 15:33	07/20/21 12:20	1

Lab Sample ID: LCSSRM 480-589392/3-A
Matrix: Solid
Analysis Batch: 589690

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589392

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Aluminum	8190	8961		mg/Kg		109.4	50.1 - 150.2
Antimony	110	80.57		mg/Kg		73.2	22.2 - 254.5
Arsenic	162	129.1		mg/Kg		79.7	70.4 - 130.2
Barium	138	130.6	^	mg/Kg		94.7	74.6 - 124.6
Beryllium	157	140.8		mg/Kg		89.7	75.2 - 125.5
Cadmium	135	119.1		mg/Kg		88.2	74.8 - 124.4
Calcium	4790	4249		mg/Kg		88.7	72.7 - 127.3
Chromium	117	103.7		mg/Kg		88.7	70.1 - 129.9
Cobalt	92.6	88.60		mg/Kg		95.7	75.1 - 125.3
Iron	15100	12140		mg/Kg		80.4	37.2 - 162.9
Lead	77.6	69.14		mg/Kg		89.1	68.8 - 131.4
Magnesium	2320	2075		mg/Kg		89.4	62.1 - 137.9
Manganese	319	277.7		mg/Kg		87.1	74.9 - 125.1
Nickel	79.9	77.82		mg/Kg		97.4	70.0 - 130.2
Potassium	2050	1960		mg/Kg		95.6	59.5 - 141.0
Selenium	172	144.3		mg/Kg		83.9	68.0 - 132.6
Silver	24.7	19.52		mg/Kg		79.0	67.2 - 133.2
Thallium	88.0	88.45		mg/Kg		100.5	66.0 - 134.1
Vanadium	99.9	89.59		mg/Kg		89.7	67.4 - 132.1
Zinc	312	275.6		mg/Kg		88.3	69.9 - 129.8

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-589392/3-A
 Matrix: Solid
 Analysis Batch: 589750

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 589392

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	143	114.5		mg/Kg		80.0	74.8 - 124.5
Sodium	137	147.4		mg/Kg		107.6	35.8 - 164.2

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590115/1-A
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0045	mg/Kg		07/23/21 12:57	07/23/21 15:08	1

Lab Sample ID: LCSSRM 480-590115/2-A ^10
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	24.43		mg/Kg		89.8	59.9 - 140.1

Lab Sample ID: MB 480-590116/1-A
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 590116

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0046	mg/Kg		07/23/21 12:57	07/23/21 15:46	1

Lab Sample ID: LCSSRM 480-590116/2-A ^10
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 590116

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	22.81		mg/Kg		83.9	59.9 - 140.1

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-169284/5
 Matrix: Solid
 Analysis Batch: 169284

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			07/20/21 15:25	1

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 200-169284/6
Matrix: Solid
Analysis Batch: 169284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	7625		mg/Kg		92	75 - 125

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

GC/MS VOA

Prep Batch: 589621

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-6	B-21-01 (4-5)(07142021)	Total/NA	Solid	5035A_L	
480-187302-9	B-21-15 (8-9)(07152021)	Total/NA	Solid	5035A_L	
MB 480-589621/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-589621/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 589623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-6	B-21-01 (4-5)(07142021)	Total/NA	Solid	8260C	589621
480-187302-9	B-21-15 (8-9)(07152021)	Total/NA	Solid	8260C	589621
MB 480-589621/2-A	Method Blank	Total/NA	Solid	8260C	589621
LCS 480-589621/1-A	Lab Control Sample	Total/NA	Solid	8260C	589621

Prep Batch: 589792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-2	B-21-08 (0-1)(07142021)	Total/NA	Solid	5035A_L	
480-187302-7	B-21-01 (10-11)(07152021)	Total/NA	Solid	5035A_L	
MB 480-589792/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 589794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-2	B-21-08 (0-1)(07142021)	Total/NA	Solid	8260C	589792
480-187302-7	B-21-01 (10-11)(07152021)	Total/NA	Solid	8260C	589792
MB 480-589792/2-A	Method Blank	Total/NA	Solid	8260C	589792
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	8260C	589792

GC/MS Semi VOA

Prep Batch: 589664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	3550C	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	3550C	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	3550C	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	3550C	
MB 480-589664/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	8270D	589664

Analysis Batch: 590204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	8270D	589664
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	8270D	589664
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	8270D	589664
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	8270D	589664
MB 480-589664/1-A	Method Blank	Total/NA	Solid	8270D	589664

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

GC Semi VOA

Prep Batch: 589493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	3550C	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	3550C	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	3550C	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	3550C	
MB 480-589493/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 589639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	8081B	589493
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	8081B	589493
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	8081B	589493
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	8081B	589493
MB 480-589493/1-A	Method Blank	Total/NA	Solid	8081B	589493
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	8081B	589493

Prep Batch: 589824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	8151A	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	8151A	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	8151A	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	8151A	
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 590009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	3550C	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	3550C	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	3550C	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	3550C	
MB 480-590009/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	8151A	589824
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	8151A	589824
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	8151A	589824
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	8151A	589824
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	589824
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	589824

Analysis Batch: 590345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	8082A	590009
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	8082A	590009
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	8082A	590009
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	8082A	590009
MB 480-590009/1-A	Method Blank	Total/NA	Solid	8082A	590009
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	8082A	590009

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QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

LCMS

Prep Batch: 169235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-3	B-21-08 (7-8)(07142021)	Total/NA	Solid	SHAKE	
480-187302-11	B-21-11 (2-3)(07152021)	Total/NA	Solid	SHAKE	
MB 200-169235/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-169235/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 169320

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-3	B-21-08 (7-8)(07142021)	Total/NA	Solid	537 (modified)	169235
480-187302-11	B-21-11 (2-3)(07152021)	Total/NA	Solid	537 (modified)	169235
MB 200-169235/1-A	Method Blank	Total/NA	Solid	537 (modified)	169235
LCS 200-169235/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169235

Metals

Prep Batch: 589392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	3050B	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	3050B	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	3050B	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	3050B	
MB 480-589392/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-589392/3-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 589690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	6010C	589392
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	6010C	589392
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	6010C	589392
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	6010C	589392
MB 480-589392/1-A	Method Blank	Total/NA	Solid	6010C	589392
LCSSRM 480-589392/3-A	Lab Control Sample	Total/NA	Solid	6010C	589392

Analysis Batch: 589750

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	6010C	589392
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	6010C	589392
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	6010C	589392
MB 480-589392/1-A	Method Blank	Total/NA	Solid	6010C	589392
LCSSRM 480-589392/3-A	Lab Control Sample	Total/NA	Solid	6010C	589392

Prep Batch: 590115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	7471B	
MB 480-590115/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590115/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 590116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	7471B	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	7471B	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	7471B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Metals (Continued)

Prep Batch: 590116 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-590116/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590116/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 590293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	7471B	590115
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	7471B	590116
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	7471B	590116
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	7471B	590116
MB 480-590115/1-A	Method Blank	Total/NA	Solid	7471B	590115
MB 480-590116/1-A	Method Blank	Total/NA	Solid	7471B	590116
LCSSRM 480-590115/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	590115
LCSSRM 480-590116/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	590116

General Chemistry

Analysis Batch: 169284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-3	B-21-08 (7-8)(07142021)	Total/NA	Solid	Lloyd Kahn	
480-187302-11	B-21-11 (2-3)(07152021)	Total/NA	Solid	Lloyd Kahn	
MB 200-169284/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-169284/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 589453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187302-1	B-21-28 (5-6)(07142021)	Total/NA	Solid	Moisture	
480-187302-2	B-21-08 (0-1)(07142021)	Total/NA	Solid	Moisture	
480-187302-3	B-21-08 (7-8)(07142021)	Total/NA	Solid	Moisture	
480-187302-5	B-21-01 (2-3)(07142021)	Total/NA	Solid	Moisture	
480-187302-6	B-21-01 (4-5)(07142021)	Total/NA	Solid	Moisture	
480-187302-7	B-21-01 (10-11)(07152021)	Total/NA	Solid	Moisture	
480-187302-8	B-21-15 (1-2)(07152021)	Total/NA	Solid	Moisture	
480-187302-9	B-21-15 (8-9)(07152021)	Total/NA	Solid	Moisture	
480-187302-10	B-21-11 (8-9)(07152021)	Total/NA	Solid	Moisture	
480-187302-11	B-21-11 (2-3)(07152021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-28 (5-6)(07142021)

Lab Sample ID: 480-187302-1

Date Collected: 07/14/21 09:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 18:45	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 13:53	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 19:51	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 19:21	JLS	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		1	589690	07/20/21 01:07	LMH	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		5	589750	07/20/21 13:10	LMH	TAL BUF
Total/NA	Prep	7471B			590115	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:45	BMB	TAL BUF

Client Sample ID: B-21-08 (0-1)(07142021)

Lab Sample ID: 480-187302-2

Date Collected: 07/14/21 10:35

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-08 (0-1)(07142021)

Lab Sample ID: 480-187302-2

Date Collected: 07/14/21 10:35

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/16/21 09:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/20/21 21:45	CDC	TAL BUF

Client Sample ID: B-21-08 (7-8)(07142021)

Lab Sample ID: 480-187302-3

Date Collected: 07/14/21 10:50

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169284	07/20/21 15:54	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-08 (7-8)(07142021)

Lab Sample ID: 480-187302-3

Date Collected: 07/14/21 10:50

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169235	07/20/21 09:53	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	169320	07/21/21 20:00	ND	TAL BUR

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-01 (2-3)(07142021)

Lab Sample ID: 480-187302-5

Date Collected: 07/14/21 14:15

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 19:10	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 14:13	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 20:04	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 19:51	JLS	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		1	589690	07/20/21 01:11	LMH	TAL BUF
Total/NA	Prep	7471B			590116	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:49	BMB	TAL BUF

Client Sample ID: B-21-01 (4-5)(07142021)

Lab Sample ID: 480-187302-6

Date Collected: 07/14/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-01 (4-5)(07142021)

Lab Sample ID: 480-187302-6

Date Collected: 07/14/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589621	07/16/21 09:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589623	07/20/21 01:40	CDC	TAL BUF

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-01 (10-11)(07152021)

Lab Sample ID: 480-187302-7

Date Collected: 07/15/21 08:00

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-01 (10-11)(07152021)

Lab Sample ID: 480-187302-7

Date Collected: 07/15/21 08:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/16/21 09:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/20/21 22:09	CDC	TAL BUF

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-15 (1-2)(07152021)

Lab Sample ID: 480-187302-8

Date Collected: 07/15/21 12:00

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 19:35	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 14:33	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 20:17	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 20:21	JLS	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		1	589690	07/20/21 01:15	LMH	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		5	589750	07/20/21 13:14	LMH	TAL BUF
Total/NA	Prep	7471B			590116	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:50	BMB	TAL BUF

Client Sample ID: B-21-15 (8-9)(07152021)

Lab Sample ID: 480-187302-9

Date Collected: 07/15/21 13:10

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Lab Chronicle

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Client Sample ID: B-21-15 (8-9)(07152021)

Lab Sample ID: 480-187302-9

Date Collected: 07/15/21 13:10

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589621	07/16/21 09:40	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589623	07/20/21 02:29	CDC	TAL BUF

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-11 (8-9)(07152021)

Lab Sample ID: 480-187302-10

Date Collected: 07/15/21 14:30

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 19:59	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 14:52	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 20:30	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 20:50	JLS	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		1	589690	07/20/21 01:19	LMH	TAL BUF
Total/NA	Prep	3050B			589392	07/16/21 15:33	KMP	TAL BUF
Total/NA	Analysis	6010C		5	589750	07/20/21 13:18	LMH	TAL BUF
Total/NA	Prep	7471B			590116	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:51	BMB	TAL BUF

Client Sample ID: B-21-11 (2-3)(07152021)

Lab Sample ID: 480-187302-11

Date Collected: 07/15/21 14:45

Matrix: Solid

Date Received: 07/16/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169284	07/20/21 15:59	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	589453	07/16/21 20:34	CLA	TAL BUF

Client Sample ID: B-21-11 (2-3)(07152021)

Lab Sample ID: 480-187302-11

Date Collected: 07/15/21 14:45

Matrix: Solid

Date Received: 07/16/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169235	07/20/21 09:53	KFW	TAL BUR
Total/NA	Analysis	537 (modified)		1	169320	07/21/21 20:08	ND	TAL BUR

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: ERM-Northeast

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	SHAKE	Solid	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	SHAKE	Solid	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	SHAKE	Solid	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	SHAKE	Solid	Perfluorobutanoic acid (PFBA)
537 (modified)	SHAKE	Solid	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	SHAKE	Solid	Perfluorodecanoic acid (PFDA)
537 (modified)	SHAKE	Solid	Perfluorododecanoic acid (PFDoA)
537 (modified)	SHAKE	Solid	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	SHAKE	Solid	Perfluoroheptanoic acid (PFHpA)
537 (modified)	SHAKE	Solid	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	SHAKE	Solid	Perfluorohexanoic acid (PFHxA)
537 (modified)	SHAKE	Solid	Perfluorononanoic acid (PFNA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	SHAKE	Solid	Perfluorooctanoic acid (PFOA)
537 (modified)	SHAKE	Solid	Perfluoropentanoic acid (PFPeA)
537 (modified)	SHAKE	Solid	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	SHAKE	Solid	Perfluorotridecanoic acid (PFTriA)
537 (modified)	SHAKE	Solid	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187302-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187302-1	B-21-28 (5-6)(07142021)	Solid	07/14/21 09:30	07/16/21 08:00
480-187302-2	B-21-08 (0-1)(07142021)	Solid	07/14/21 10:35	07/16/21 08:00
480-187302-3	B-21-08 (7-8)(07142021)	Solid	07/14/21 10:50	07/16/21 08:00
480-187302-5	B-21-01 (2-3)(07142021)	Solid	07/14/21 14:15	07/16/21 08:00
480-187302-6	B-21-01 (4-5)(07142021)	Solid	07/14/21 14:30	07/16/21 08:00
480-187302-7	B-21-01 (10-11)(07152021)	Solid	07/15/21 08:00	07/16/21 08:00
480-187302-8	B-21-15 (1-2)(07152021)	Solid	07/15/21 12:00	07/16/21 08:00
480-187302-9	B-21-15 (8-9)(07152021)	Solid	07/15/21 13:10	07/16/21 08:00
480-187302-10	B-21-11 (8-9)(07152021)	Solid	07/15/21 14:30	07/16/21 08:00
480-187302-11	B-21-11 (2-3)(07152021)	Solid	07/15/21 14:45	07/16/21 08:00

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Chain of Custody Record

Client Information
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: Li-Cycle: Lidestri-Ridgeway Property
 Site: S50W#

Sampler: K. Pappas
 Lab PM: Schove, John R
 E-Mail: John.Schove@Eurofinset.com

Carrier (Required): Syracuse
 State of Origin: #225
 Job #: #225

Due Date Requested: TAT Requested (days): Standard
 Compliance Project: Yes No
 PO #: Purchase Order Requested
 WO#:
 Project #: 48023985
 SSOW#:

Sample Identification

Sample ID	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Form MS/MSD (Yes or No)	6010C, 7471B	8260C - TCL VOCs + 10 TTCs	9081B, 8082A, 8151A, 8270D	Analysis Requested	Total Number of Containers	Special Instructions/Note:
B-21-28(5-6)(07142021)	7/14/2021	0930	G	Solid	X	N	X	X	X	FFAS Standard for (21B Analyte)	3	
B-21-08(0-1)(07142021)		1035		Solid	X	N				TAC by Lloyd Kahn	4	
B-21-08(7-8)(07142021)		1050		Solid	X	N					2	
EB(07142021)		0800		Solid	X	N					2	
B-21-01(2-3)(07142021)		1415		Solid	X	N					3	
B-21-01(4-5)(07142021)		1430		Solid	X	N						
B-21-01(10-11)(07152021)	7/15/2021	0800		Solid	X	N	X	X	X			
B-21-15(1-2)(07152021)		1200		Solid	X	N	X	X	X			
B-21-15(8-9)(07152021)		1310		Solid	X	N	X	X	X			
B-21-11(2-3)(07152021)		1430		Solid	X	N	X	X	X			

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: ASP Cat. B Deliverables

Empy Kit Relinquished by: _____ Date: _____
 Relinquished by: _____ Date/Time: 7/15/21 1509
 Relinquished by: _____ Date/Time: 7/15/21 1900
 Relinquished by: _____ Date/Time: _____

Custody Seal No: _____
 Yes No

Company: ERM
 Received by: R.E. Higgins
 Date/Time: 7-15-21, 15:09
 Company: ERM
 Received by: _____
 Date/Time: 7-16-21 800
 Company: TTB
 Received by: _____
 Date/Time: _____
 Company: _____

Barcode: 480-187302 Chain of Custody

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other:
 M - Hexane
 N - None
 O - AshNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2S2O3
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 X - EDTA
 Z - other (specify)

Special Instructions/Note:

Eurofins TestAmerica, Buffalo
 10 Hazelwood Drive
 Amherst, NY 14228-2298
 Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Eurofins
 Environment Testing
 America

Client Information (Sub Contract Lab)		Lab P#: Schove, John R	Page: 5173.1
10 Hazelwood Drive Amherst, NY 14228-2298 Phone: 716-691-2600 Fax: 716-691-7991		E-Mail: John.Schove@Eurofinset.com	Page 1 of 1
Shipping/Receiving		State of Origin: New York	Job #: 480-187302-1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York	Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - EDTA Y - EDA Z - other (specify) Other:
Address: 530 Community Drive, Suite 11, South Burlington State, Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email:		Analysis Requested	
Due Date Requested: 7/29/2021 TAT Requested (days):		Total Number of Containers	
PO #:	Project #: 48023985	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)
WC #:	SSOW#:	Lloyd Kahn/TOC by Lloyd Kahn	PFCD/ShaKe_Bath_14D PFAS, Standard List (21)
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other/Soil, BT-Tissue, A-Air)
7/14/21	10:50 Eastern	Solid	Preservation Code
7/15/21	14:45 Eastern	Solid	
Sample Identification - Client ID (Lab ID)			
B-21-08 (7-8)(07142021) (480-187302-3)			
B-21-11 (2-3)(07152021) (480-187302-11)			
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.			
Possible Hazard Identification			
Unconfirmed			
Deliverable Requested: I, II, III, IV, Other (specify)		Primary Deliverable Rank: 2	
Empty Kit Relinquished by: <i>John Schove</i>		Date: 7/16/21	
Relinquished by: <i>John Schove</i>		Date/Time: 7/17/21 10:30	
Relinquished by: <i>John Schove</i>		Date/Time: 7/17/21 10:30	
Relinquished by: <i>John Schove</i>		Date/Time: 7/17/21 10:30	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No.:	
Cooler Temperature(s) °C and Other Remarks:		Company: ETMA	
Cooler Temperature(s) °C and Other Remarks:		Company:	
Cooler Temperature(s) °C and Other Remarks:		Company:	
Cooler Temperature(s) °C and Other Remarks:		Company:	



Eurofins TestAmerica, Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

PFAS -> BVT Pream Syde - Re



Environment Testing
America

Client Information Client Contact: Mr. Robert Sents Company: ERM-Northeast Address: 5764 Widewaters Pkwy City: Dewitt State, Zip: NY, 13214 Phone: 315-445-2543 (Tel) Email: robert.sents@erm.com Project Name: LI-Cycle: Lidestril-Ridgeway Property Site:		Lab PM: Schove, John R E-Mail: John.Schove@Eurofins.com PWSID:	
Sampler: <i>K. Pappalardo</i> Phone: (315) 559-2858		Carrier: Syracuse State of Origin: #225 Job #:	
Due Date Requested: TAT Requested (days): Standard Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: Purchase Order Requested WO #: Project #: 48023985 SSOW#:		Analysis Requested PFAS Standard List (21 Analytes) TCC by Hight Kahn 8260C - TCL VOCs + 10 TICs 8010C, 747B 8011B, 8082A, 8151A, 8270D	
Sample Identification Sample ID: B-21-28 (5-6) (07142021) B-21-08 (0-1) (07142021) B-21-08 (7-8) (07142021) EB (07142021) B-21-01 (2-3) (07142021) B-21-01 (4-5) (07142021) B-21-01 (10-11) (07142021) B-21-15 (1-2) (07152021) B-21-15 (8-9) (07152021) B-21-11 (2-3) (07152021)		Matrix (Water, Soils, Sludges, Sediment, etc.) Sample Type (C=comp, G=grab) Sample Time Sample Date Preservation Code Matrix: Solid Sample Type: G Time: 0930, 1035, 1050, 0800, 1415, 1430, 0800, 1200, 1310, 1430, 1445 Date: 7/14/2021, 7/15/2021	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) IV		Special Instructions/Note: Total Number of Containers: 3 480-187302 COC	
Empty Kit Relinquished by: <i>Robert Sents</i> Relinquished by: <i>R. Pappalardo</i> Relinquished by: <i>R. Pappalardo</i>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: ASP Cat. B deliverables	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: 30.3		Date: 7/15/21 1509 Date/Time: 7/15/21 1509 Date/Time: 7/15/21 1800 Date/Time: 7/19/21 0910	
Company: ERM Company: <i>Syntex</i> Company: <i>Syntex</i>		Company: <i>Syntex</i> Company: <i>Syntex</i> Company: <i>Syntex</i>	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-187302-1

Login Number: 187302

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-187302-1

Login Number: 187302

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/17/21 12:39 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1513327
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-187302-1

Login Number: 187302

List Number: 3

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/30/21 08:46 AM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	19.8°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187365-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

ERM-Northeast
5784 Widewaters Pkwy
Dewitt, New York 13214

Attn: Mr. Robert Sents



*Authorized for release by:
7/28/2021 12:03:30 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Definitions/Glossary

Client: ERM-Northeast

Job ID: 480-187365-1

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Job ID: 480-187365-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187365-1

Comments

No additional comments.

Receipt

The samples were received on 7/17/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-589794 recovered above the upper control limit for 2-Butanone (MEK), 2-Hexanone, Carbon tetrachloride, Chloroethane, Chloromethane, Dichlorobromomethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-19 (2-3) (07152021) (480-187365-1), B-21-05 (7-8) (07162021) (480-187365-3), B-21-25 (3-4) (07162021) (480-187365-6), B-21-25 (4-5) (07162021) (480-187365-7) and B-21-02 (7-8) (07162021) (480-187365-9).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-589792 and analytical batch 480-589794 recovered outside control limits for the following analytes: Vinyl chloride and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-19 (2-3) (07152021) (480-187365-1), B-21-05 (7-8) (07162021) (480-187365-3), B-21-25 (3-4) (07162021) (480-187365-6), B-21-25 (4-5) (07162021) (480-187365-7) and B-21-02 (7-8) (07162021) (480-187365-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-590345 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4), B-21-25 (9-10) (07162021) (480-187365-8) and B-21-02 (2-3) 907162021) (480-187365-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Methods 6010, 6010C: The low level continuing calibration verification (CCVL 480-589882/27) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCDSRM 480-589553/3-A), (LCSSRM 480-589553/2-A) and (MB 480-589553/1-A) was not performed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4), B-21-25 (9-10) (07162021) (480-187365-8) and B-21-02 (2-3) 907162021) (480-187365-10)

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4) and B-21-25 (9-10) (07162021) (480-187365-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Case Narrative

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Job ID: 480-187365-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

No Detections.

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	58	J	200	24	ug/Kg	1	✳	8270D	Total/NA
Methoxychlor	0.60	J	2.0	0.41	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6490		12.5	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.5		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	17.5	^	0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	128000		125	8.2	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.4		0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.9		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	10.6		2.5	0.52	mg/Kg	2	✳	6010C	Total/NA
Iron	12400		12.5	4.4	mg/Kg	1	✳	6010C	Total/NA
Lead	37.4		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	3350		25.0	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	488		0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	15.6		6.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	3400	B	37.5	25.0	mg/Kg	1	✳	6010C	Total/NA
Sodium	119	J	175	16.2	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.7		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	38.6		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.010	J	0.023	0.0052	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0	J	27	4.6	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.53	J	5.4	0.41	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7500		11.9	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.8		2.4	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	21.8	^	0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.46		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	150000		119	7.8	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.2		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.5		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	8.0		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	10500		11.9	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	27.2		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	17300		23.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	354		0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.8		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3570	B	35.6	23.7	mg/Kg	1	✳	6010C	Total/NA
Silver	0.25	J	0.71	0.24	mg/Kg	1	✳	6010C	Total/NA
Sodium	123	J	166	15.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.8		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	14.8		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0066	J	0.020	0.0046	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast

Job ID: 480-187365-1

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Client Sample ID: B-21-05 (9-10) (07162021)

Lab Sample ID: 480-187365-5

No Detections.

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

No Detections.

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

No Detections.

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6180		10.8	4.7	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.3		2.2	0.43	mg/Kg	1	✳	6010C	Total/NA
Barium	20.2	^	0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.42		0.22	0.030	mg/Kg	1	✳	6010C	Total/NA
Calcium	154000		108	7.1	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.3		0.54	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.5		0.54	0.054	mg/Kg	1	✳	6010C	Total/NA
Copper	11.6		2.2	0.45	mg/Kg	2	✳	6010C	Total/NA
Iron	9650		10.8	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	14.9		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA
Magnesium	12500		21.6	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	386		0.22	0.035	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.1		5.4	0.25	mg/Kg	1	✳	6010C	Total/NA
Potassium	3370	B	32.3	21.6	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.51	J	4.3	0.43	mg/Kg	1	✳	6010C	Total/NA
Sodium	137	J	151	14.0	mg/Kg	1	✳	6010C	Total/NA
Vanadium	7.7		0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	39.8		2.2	0.69	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

No Detections.

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.52	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.57	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endosulfan sulfate	0.43	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.60	J	1.9	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.68	J	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6110		11.0	4.8	mg/Kg	1	✳	6010C	Total/NA
Arsenic	3.5		2.2	0.44	mg/Kg	1	✳	6010C	Total/NA
Barium	23.7	^	0.55	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.29		0.22	0.031	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.042	J	0.22	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	77600		54.8	3.6	mg/Kg	1	✳	6010C	Total/NA
Chromium	7.6		0.55	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.0		0.55	0.055	mg/Kg	1	✳	6010C	Total/NA
Copper	8.1		1.1	0.23	mg/Kg	1	✳	6010C	Total/NA
Iron	10100		11.0	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	8.0		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: ERM-Northeast

Job ID: 480-187365-1

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Client Sample ID: B-21-02 (2-3) 907162021) (Continued)

Lab Sample ID: 480-187365-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	9300		21.9	1.0	mg/Kg	1	*	6010C	Total/NA
Manganese	339		0.22	0.035	mg/Kg	1	*	6010C	Total/NA
Nickel	9.6		5.5	0.25	mg/Kg	1	*	6010C	Total/NA
Potassium	1950	B	32.9	21.9	mg/Kg	1	*	6010C	Total/NA
Sodium	122	J	153	14.2	mg/Kg	1	*	6010C	Total/NA
Vanadium	12.2		0.55	0.12	mg/Kg	1	*	6010C	Total/NA
Zinc	18.4		2.2	0.70	mg/Kg	1	*	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,1,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.99	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1-Dichloroethane	4.3	U	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dibromoethane	4.3	U	4.3	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,4-Dichlorobenzene	4.3	U	4.3	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Acetone	22	U	22	3.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromoform	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Carbon disulfide	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloroethane	4.3	U TH	4.3	0.98	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Cyclohexane	4.3	U	4.3	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methyl tert-butyl ether	4.3	U	4.3	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methylcyclohexane	4.3	U	4.3	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Styrene	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Toluene	4.3	U	4.3	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Trichloroethene	4.3	U	4.3	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Vinyl chloride	4.3	U TH	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	5.5	TJ	ug/Kg	☼	7.19		07/17/21 12:00	07/21/21 02:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126				07/17/21 12:00	07/21/21 02:16	1
4-Bromofluorobenzene (Surr)	98		72 - 126				07/17/21 12:00	07/21/21 02:16	1
Dibromofluoromethane (Surr)	105		60 - 140				07/17/21 12:00	07/21/21 02:16	1
Toluene-d8 (Surr)	91		71 - 125				07/17/21 12:00	07/21/21 02:16	1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
1,4-Dioxane	120	U	120	66	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,3,4,6-Tetrachlorophenol	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4,5-Trichlorophenol	200	U	200	55	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4,6-Trichlorophenol	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dichlorophenol	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dinitrophenol	2000	U	2000	940	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dinitrotoluene	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Chloronaphthalene	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Chlorophenol	400	U	400	37	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Methylnaphthalene	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
3-Nitroaniline	400	U	400	56	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4,6-Dinitro-2-methylphenol	400	U	400	200	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Bromophenyl phenyl ether	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acenaphthene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acetophenone	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Anthracene	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Atrazine	200	U	200	71	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[g,h,i]perylene	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
bis (2-chloroisopropyl) ether	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Butyl benzyl phthalate	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Caprolactam	200	U	200	61	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Carbazole	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Chrysene	200	U	200	45	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Di-n-butyl phthalate	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Di-n-octyl phthalate	58	J	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Fluoranthene	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Fluorene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorobenzene	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorocyclopentadiene	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Isophorone	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Nitrobenzene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
N-Nitrosodi-n-propylamine	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
N-Nitrosodiphenylamine	200	U	200	170	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Pentachlorophenol	400	U	400	200	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Phenol	200	U	200	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Pyrene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	170	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 20:24	1
Unknown	970	T J	ug/Kg	☼	14.87		07/20/21 08:40	07/23/21 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/20/21 08:40	07/23/21 20:24	1
2-Fluorobiphenyl (Surr)	78		60 - 120	07/20/21 08:40	07/23/21 20:24	1
2-Fluorophenol (Surr)	69		52 - 120	07/20/21 08:40	07/23/21 20:24	1
Nitrobenzene-d5 (Surr)	71		53 - 120	07/20/21 08:40	07/23/21 20:24	1
Phenol-d5 (Surr)	76		54 - 120	07/20/21 08:40	07/23/21 20:24	1
p-Terphenyl-d14 (Surr)	88		79 - 130	07/20/21 08:40	07/23/21 20:24	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin	2.0	U	2.0	0.40	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
gamma-BHC (Lindane)	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Methoxychlor	0.60	J	2.0	0.41	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Toxaphene	20	U	20	12	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
trans-Chlordane	2.0	U	2.0	0.64	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120	07/19/21 07:53	07/20/21 15:12	1
DCB Decachlorobiphenyl	86		45 - 120	07/19/21 07:53	07/20/21 15:12	1
Tetrachloro-m-xylene	93		30 - 124	07/19/21 07:53	07/20/21 15:12	1
Tetrachloro-m-xylene	76		30 - 124	07/19/21 07:53	07/20/21 15:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		60 - 154	07/22/21 08:09	07/25/21 20:42	1
Tetrachloro-m-xylene	129		60 - 154	07/22/21 08:09	07/25/21 20:42	1
DCB Decachlorobiphenyl	118		65 - 174	07/22/21 08:09	07/25/21 20:42	1
DCB Decachlorobiphenyl	128		65 - 174	07/22/21 08:09	07/25/21 20:42	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✱	07/21/21 08:10	07/23/21 21:20	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	✱	07/21/21 08:10	07/23/21 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		28 - 129	07/21/21 08:10	07/23/21 21:20	1
2,4-Dichlorophenylacetic acid	71		28 - 129	07/21/21 08:10	07/23/21 21:20	1

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6490		12.5	5.5	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Antimony	18.7	U	18.7	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Arsenic	6.5		2.5	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Barium	17.5	^	0.62	0.14	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Beryllium	0.48		0.25	0.035	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Cadmium	0.25	U	0.25	0.037	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Calcium	128000		125	8.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:48	2
Chromium	8.4		0.62	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Cobalt	6.9		0.62	0.062	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Copper	10.6		2.5	0.52	mg/Kg	☼	07/19/21 18:05	07/22/21 03:48	2
Iron	12400		12.5	4.4	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Lead	37.4		1.2	0.30	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Magnesium	3350		25.0	1.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Manganese	488		0.25	0.040	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Nickel	15.6		6.2	0.29	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Potassium	3400	B	37.5	25.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Silver	0.75	U	0.75	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Sodium	119	J	175	16.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Thallium	7.5	U	7.5	0.37	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Vanadium	8.7		0.62	0.14	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Zinc	38.6		2.5	0.80	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.023	0.0052	mg/Kg	☼	07/21/21 15:25	07/21/21 17:36	1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U	5.4	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2,2-Tetrachloroethane	5.4	U	5.4	0.88	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2-Trichloroethane	5.4	U	5.4	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1-Dichloroethane	5.4	U	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1-Dichloroethene	5.4	U	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2,4-Trichlorobenzene	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dibromo-3-Chloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dibromoethane	5.4	U	5.4	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichlorobenzene	5.4	U	5.4	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichloroethane	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,3-Dichlorobenzene	5.4	U	5.4	0.28	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,4-Dichlorobenzene	5.4	U	5.4	0.76	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.0	J	27	4.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Benzene	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromodichloromethane	5.4	U	5.4	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromoform	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromomethane	5.4	U	5.4	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Carbon disulfide	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Carbon tetrachloride	5.4	U	5.4	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chlorobenzene	5.4	U	5.4	0.71	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloroethane	5.4	U TH	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloroform	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloromethane	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
cis-1,2-Dichloroethene	5.4	U	5.4	0.69	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
cis-1,3-Dichloropropene	5.4	U	5.4	0.78	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Cyclohexane	5.4	U	5.4	0.76	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Dibromochloromethane	5.4	U	5.4	0.69	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Dichlorodifluoromethane	5.4	U	5.4	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Ethylbenzene	5.4	U	5.4	0.37	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Isopropylbenzene	5.4	U	5.4	0.82	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methyl acetate	27	U	27	3.3	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methyl tert-butyl ether	5.4	U	5.4	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methylcyclohexane	5.4	U	5.4	0.82	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methylene Chloride	5.4	U	5.4	2.5	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Styrene	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Tetrachloroethene	5.4	U	5.4	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Toluene	0.53	J	5.4	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
trans-1,2-Dichloroethene	5.4	U	5.4	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
trans-1,3-Dichloropropene	5.4	U	5.4	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Trichloroethene	5.4	U	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Trichlorofluoromethane	5.4	U	5.4	0.51	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Vinyl chloride	5.4	U TH	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Xylenes, Total	11	U	11	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	07/17/21 12:00	07/21/21 02:41	1
4-Bromofluorobenzene (Surr)	99		72 - 126	07/17/21 12:00	07/21/21 02:41	1
Dibromofluoromethane (Surr)	103		60 - 140	07/17/21 12:00	07/21/21 02:41	1
Toluene-d8 (Surr)	91		71 - 125	07/17/21 12:00	07/21/21 02:41	1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dinitrophenol	1900	U	1900	880	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Nitrophenol	190	U	190	54	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
3,3'-Dichlorobenzidine	370	U	370	220	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
3-Nitroaniline	370	U	370	53	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chloro-3-methylphenol	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chloroaniline	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Methylphenol	370	U	370	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Nitroaniline	370	U	370	100	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Nitrophenol	370	U	370	130	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acenaphthene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acetophenone	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Anthracene	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Atrazine	190	U	190	66	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Biphenyl	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-ethylhexyl) phthalate	190	U	190	65	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Caprolactam	190	U	190	57	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Carbazole	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Chrysene	190	U	190	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Fluorene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Isophorone	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Phenol	190	U	190	29	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Pyrene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3000	T J	ug/Kg	☼	1.85		07/20/21 08:40	07/23/21 20:48	1
Unknown	170	T J	ug/Kg	☼	3.27		07/20/21 08:40	07/23/21 20:48	1
Ethane, 1,1,2,2-tetrachloro-	160	T J N	ug/Kg	☼	4.41	79-34-5	07/20/21 08:40	07/23/21 20:48	1
Caryophyllene	310	T J N	ug/Kg	☼	8.77	87-44-5	07/20/21 08:40	07/23/21 20:48	1
Unknown	410	T J	ug/Kg	☼	9.21		07/20/21 08:40	07/23/21 20:48	1
Unknown	1700	T J	ug/Kg	☼	10.11		07/20/21 08:40	07/23/21 20:48	1
9-Octadecenamide, (Z)-	200	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 20:48	1
Unknown	710	T J	ug/Kg	☼	15.56		07/20/21 08:40	07/23/21 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		54 - 120	07/20/21 08:40	07/23/21 20:48	1
2-Fluorobiphenyl (Surr)	82		60 - 120	07/20/21 08:40	07/23/21 20:48	1
2-Fluorophenol (Surr)	71		52 - 120	07/20/21 08:40	07/23/21 20:48	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/20/21 08:40	07/23/21 20:48	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 20:48	1
p-Terphenyl-d14 (Surr)	105		79 - 130	07/20/21 08:40	07/23/21 20:48	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
gamma-BHC (Lindane)	1.9	U	1.9	0.35	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Toxaphene	19	U	19	11	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		45 - 120				07/19/21 07:53	07/20/21 15:32	1
DCB Decachlorobiphenyl	100		45 - 120				07/19/21 07:53	07/20/21 15:32	1
Tetrachloro-m-xylene	86		30 - 124				07/19/21 07:53	07/20/21 15:32	1
Tetrachloro-m-xylene	80		30 - 124				07/19/21 07:53	07/20/21 15:32	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1221	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1232	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1242	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1248	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154				07/22/21 08:09	07/25/21 21:21	1
Tetrachloro-m-xylene	131		60 - 154				07/22/21 08:09	07/25/21 21:21	1
DCB Decachlorobiphenyl	122		65 - 174				07/22/21 08:09	07/25/21 21:21	1
DCB Decachlorobiphenyl	127		65 - 174				07/22/21 08:09	07/25/21 21:21	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	07/21/21 08:10	07/23/21 21:50	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	✳	07/21/21 08:10	07/23/21 21:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129				07/21/21 08:10	07/23/21 21:50	1
2,4-Dichlorophenylacetic acid	69		28 - 129				07/21/21 08:10	07/23/21 21:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7500		11.9	5.2	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Antimony	17.8	U	17.8	0.47	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Arsenic	4.8		2.4	0.47	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Barium	21.8	^	0.59	0.13	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Beryllium	0.46		0.24	0.033	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Calcium	150000		119	7.8	mg/Kg	✳	07/19/21 18:05	07/22/21 03:55	2
Chromium	8.2		0.59	0.24	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Cobalt	5.5		0.59	0.059	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	8.0		2.4	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:55	2
Iron	10500		11.9	4.1	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Lead	27.2		1.2	0.28	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Magnesium	17300		23.7	1.1	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Manganese	354		0.24	0.038	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Nickel	11.8		5.9	0.27	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Potassium	3570	B	35.6	23.7	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Silver	0.25	J	0.71	0.24	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Sodium	123	J	166	15.4	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Vanadium	8.8		0.59	0.13	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1
Zinc	14.8		2.4	0.76	mg/Kg	☼	07/19/21 18:05	07/22/21 03:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0066	J	0.020	0.0046	mg/Kg	☼	07/21/21 15:25	07/21/21 17:41	1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methyl acetate	24	U	24	2.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Vinyl chloride	4.7	U TH	4.7	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126	07/17/21 12:00	07/21/21 03:05	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/17/21 12:00	07/21/21 03:05	1
Dibromofluoromethane (Surr)	106		60 - 140	07/17/21 12:00	07/21/21 03:05	1
Toluene-d8 (Surr)	92		71 - 125	07/17/21 12:00	07/21/21 03:05	1

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.8	U	6.8	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2,2-Tetrachloroethane	6.8	U	6.8	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	6.8	1.6	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2-Trichloroethane	6.8	U	6.8	0.89	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1-Dichloroethane	6.8	U	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1-Dichloroethene	6.8	U	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2,4-Trichlorobenzene	6.8	U	6.8	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dibromo-3-Chloropropane	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dibromoethane	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichlorobenzene	6.8	U	6.8	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichloroethane	6.8	U	6.8	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichloropropane	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1

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Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	6.8	U	6.8	0.35	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,4-Dichlorobenzene	6.8	U	6.8	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
2-Butanone (MEK)	34	U	34	2.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
2-Hexanone	34	U	34	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
4-Methyl-2-pentanone (MIBK)	34	U	34	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Acetone	34	U	34	5.7	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Benzene	6.8	U	6.8	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromodichloromethane	6.8	U	6.8	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromoform	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromomethane	6.8	U	6.8	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Carbon disulfide	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Carbon tetrachloride	6.8	U	6.8	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chlorobenzene	6.8	U	6.8	0.90	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloroethane	6.8	U TH	6.8	1.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloroform	6.8	U	6.8	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloromethane	6.8	U	6.8	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
cis-1,2-Dichloroethene	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
cis-1,3-Dichloropropene	6.8	U	6.8	0.98	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Cyclohexane	6.8	U	6.8	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Dibromochloromethane	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Dichlorodifluoromethane	6.8	U	6.8	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Ethylbenzene	6.8	U	6.8	0.47	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Isopropylbenzene	6.8	U	6.8	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methyl acetate	34	U	34	4.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methyl tert-butyl ether	6.8	U	6.8	0.67	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methylcyclohexane	6.8	U	6.8	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methylene Chloride	6.8	U	6.8	3.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Styrene	6.8	U	6.8	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Tetrachloroethene	6.8	U	6.8	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Toluene	6.8	U	6.8	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
trans-1,2-Dichloroethene	6.8	U	6.8	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
trans-1,3-Dichloropropene	6.8	U	6.8	3.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Trichloroethene	6.8	U	6.8	1.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Trichlorofluoromethane	6.8	U	6.8	0.64	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Vinyl chloride	6.8	U TH	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Xylenes, Total	14	U	14	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/17/21 12:00	07/21/21 03:30	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/17/21 12:00	07/21/21 03:30	1
Dibromofluoromethane (Surr)	104		60 - 140	07/17/21 12:00	07/21/21 03:30	1
Toluene-d8 (Surr)	91		71 - 125	07/17/21 12:00	07/21/21 03:30	1

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
1,4-Dioxane	110	U	110	60	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,3,4,6-Tetrachlorophenol	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4,5-Trichlorophenol	190	U	190	50	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4,6-Trichlorophenol	190	U	190	37	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4-Dinitrophenol	1800	U	1800	850	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,4-Dinitrotoluene	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Chloronaphthalene	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Chlorophenol	360	U	360	34	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Methylnaphthalene	190	U	190	37	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Nitroaniline	360	U	360	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
2-Nitrophenol	190	U	190	52	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
3-Nitroaniline	360	U	360	51	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Bromophenyl phenyl ether	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Chloroaniline	190	U	190	46	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Methylphenol	360	U	360	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Nitroaniline	360	U	360	97	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
4-Nitrophenol	360	U	360	130	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Acenaphthene	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Acenaphthylene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Acetophenone	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Anthracene	190	U	190	46	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Atrazine	190	U	190	64	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzo[a]pyrene	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzo[b]fluoranthene	190	U	190	29	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Biphenyl	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
bis (2-chloroisopropyl) ether	190	U	190	37	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Bis(2-chloroethoxy)methane	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Bis(2-ethylhexyl) phthalate	190	U	190	63	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Butyl benzyl phthalate	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Caprolactam	190	U	190	56	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Carbazole	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Chrysene	190	U	190	41	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Diethyl phthalate	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Fluoranthene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Fluorene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Hexachlorobutadiene	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Isophorone	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Naphthalene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Phenanthrene	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Phenol	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1
Pyrene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	150	T J	ug/Kg	☼	2.30		07/20/21 08:40	07/23/21 21:12	1
Unknown	190	T J	ug/Kg	☼	3.28		07/20/21 08:40	07/23/21 21:12	1
Ethane, 1,1,2,2-tetrachloro-	230	T J N	ug/Kg	☼	4.43	79-34-5	07/20/21 08:40	07/23/21 21:12	1
9-Octadecenamamide, (Z)-	560	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	07/20/21 08:40	07/23/21 21:12	1
2-Fluorobiphenyl (Surr)	94		60 - 120	07/20/21 08:40	07/23/21 21:12	1
2-Fluorophenol (Surr)	83		52 - 120	07/20/21 08:40	07/23/21 21:12	1
Nitrobenzene-d5 (Surr)	89		53 - 120	07/20/21 08:40	07/23/21 21:12	1
Phenol-d5 (Surr)	91		54 - 120	07/20/21 08:40	07/23/21 21:12	1
p-Terphenyl-d14 (Surr)	108		79 - 130	07/20/21 08:40	07/23/21 21:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.8	U	1.8	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
4,4'-DDE	1.8	U	1.8	0.38	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
4,4'-DDT	1.8	U	1.8	0.42	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Aldrin	1.8	U	1.8	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
alpha-BHC	1.8	U	1.8	0.33	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
beta-BHC	1.8	U	1.8	0.33	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
cis-Chlordane	1.8	U	1.8	0.90	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
delta-BHC	1.8	U	1.8	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Dieldrin	1.8	U	1.8	0.44	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Endosulfan I	1.8	U	1.8	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Endosulfan II	1.8	U	1.8	0.33	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Endosulfan sulfate	1.8	U	1.8	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Endrin	1.8	U	1.8	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Endrin aldehyde	1.8	U	1.8	0.46	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	1.8	U	1.8	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
gamma-BHC (Lindane)	1.8	U	1.8	0.33	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Heptachlor	1.8	U	1.8	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Heptachlor epoxide	1.8	U	1.8	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Methoxychlor	1.8	U	1.8	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Toxaphene	18	U	18	11	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
trans-Chlordane	1.8	U	1.8	0.58	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		45 - 120	07/19/21 07:53	07/20/21 15:51	1
DCB Decachlorobiphenyl	87		45 - 120	07/19/21 07:53	07/20/21 15:51	1
Tetrachloro-m-xylene	85		30 - 124	07/19/21 07:53	07/20/21 15:51	1
Tetrachloro-m-xylene	69		30 - 124	07/19/21 07:53	07/20/21 15:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1254	0.27	U	0.27	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1260	0.27	U	0.27	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	137		60 - 154	07/22/21 08:09	07/25/21 21:34	1
Tetrachloro-m-xylene	132		60 - 154	07/22/21 08:09	07/25/21 21:34	1
DCB Decachlorobiphenyl	123		65 - 174	07/22/21 08:09	07/25/21 21:34	1
DCB Decachlorobiphenyl	136		65 - 174	07/22/21 08:09	07/25/21 21:34	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	11	ug/Kg	☼	07/21/21 08:10	07/23/21 22:19	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	07/21/21 08:10	07/23/21 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129	07/21/21 08:10	07/23/21 22:19	1
2,4-Dichlorophenylacetic acid	73		28 - 129	07/21/21 08:10	07/23/21 22:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6180		10.8	4.7	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Antimony	16.2	U	16.2	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Arsenic	5.3		2.2	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Barium	20.2	^	0.54	0.12	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Beryllium	0.42		0.22	0.030	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Cadmium	0.22	U	0.22	0.032	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Calcium	154000		108	7.1	mg/Kg	☼	07/19/21 18:05	07/22/21 04:03	2
Chromium	7.3		0.54	0.22	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Cobalt	5.5		0.54	0.054	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Copper	11.6		2.2	0.45	mg/Kg	☼	07/19/21 18:05	07/22/21 04:03	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	9650		10.8	3.8	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Lead	14.9		1.1	0.26	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Magnesium	12500		21.6	1.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Manganese	386		0.22	0.035	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Nickel	12.1		5.4	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Potassium	3370	B	32.3	21.6	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Selenium	0.51	J	4.3	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Silver	0.65	U	0.65	0.22	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Sodium	137	J	151	14.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Thallium	6.5	U	6.5	0.32	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Vanadium	7.7		0.54	0.12	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Zinc	39.8		2.2	0.69	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0049	mg/Kg	☼	07/21/21 15:25	07/21/21 17:42	1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.5	U	8.5	0.62	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2,2-Tetrachloroethane	8.5	U	8.5	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5	U	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2-Trichloroethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1-Dichloroethane	8.5	U	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1-Dichloroethene	8.5	U	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2,4-Trichlorobenzene	8.5	U	8.5	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dibromo-3-Chloropropane	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dibromoethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichlorobenzene	8.5	U	8.5	0.67	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichloroethane	8.5	U	8.5	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichloropropane	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,3-Dichlorobenzene	8.5	U	8.5	0.44	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,4-Dichlorobenzene	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
2-Butanone (MEK)	43	U	43	3.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
2-Hexanone	43	U	43	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
4-Methyl-2-pentanone (MIBK)	43	U	43	2.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Acetone	43	U	43	7.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Benzene	8.5	U	8.5	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromodichloromethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromoform	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromomethane	8.5	U	8.5	0.77	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Carbon disulfide	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Carbon tetrachloride	8.5	U	8.5	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chlorobenzene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chloroethane	8.5	U TH	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chloroform	8.5	U	8.5	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	8.5	U	8.5	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
cis-1,2-Dichloroethene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
cis-1,3-Dichloropropene	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Cyclohexane	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Dibromochloromethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Dichlorodifluoromethane	8.5	U	8.5	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Ethylbenzene	8.5	U	8.5	0.59	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Isopropylbenzene	8.5	U	8.5	1.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methyl acetate	43	U	43	5.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methyl tert-butyl ether	8.5	U	8.5	0.84	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methylcyclohexane	8.5	U	8.5	1.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methylene Chloride	8.5	U	8.5	3.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Styrene	8.5	U	8.5	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Tetrachloroethene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Toluene	8.5	U	8.5	0.65	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
trans-1,2-Dichloroethene	8.5	U	8.5	0.88	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
trans-1,3-Dichloropropene	8.5	U	8.5	3.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Trichloroethene	8.5	U	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Trichlorofluoromethane	8.5	U	8.5	0.81	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Vinyl chloride	8.5	U TH	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Xylenes, Total	17	U	17	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/17/21 12:00	07/21/21 03:54	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/17/21 12:00	07/21/21 03:54	1
Dibromofluoromethane (Surr)	106		60 - 140	07/17/21 12:00	07/21/21 03:54	1
Toluene-d8 (Surr)	90		71 - 125	07/17/21 12:00	07/21/21 03:54	1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Chlorophenol	380	U	380	35	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Nitroaniline	380	U	380	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
3-Nitroaniline	380	U	380	53	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Acenaphthene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Acetophenone	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Anthracene	190	U	190	48	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Atrazine	190	U	190	67	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Biphenyl	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Caprolactam	190	U	190	58	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Carbazole	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Chrysene	190	U	190	43	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Fluoranthene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Fluorene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Isophorone	190	U	190	41	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Phenol	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Pyrene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1400	T J	ug/Kg	☼	1.83		07/20/21 08:40	07/23/21 21:37	1
Unknown	230	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	07/20/21 08:40	07/23/21 21:37	1
2-Fluorobiphenyl (Surr)	88		60 - 120	07/20/21 08:40	07/23/21 21:37	1
2-Fluorophenol (Surr)	79		52 - 120	07/20/21 08:40	07/23/21 21:37	1
Nitrobenzene-d5 (Surr)	84		53 - 120	07/20/21 08:40	07/23/21 21:37	1
Phenol-d5 (Surr)	85		54 - 120	07/20/21 08:40	07/23/21 21:37	1
p-Terphenyl-d14 (Surr)	99		79 - 130	07/20/21 08:40	07/23/21 21:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
beta-BHC	0.52	J B	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
delta-BHC	0.57	J	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan sulfate	0.43	J	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin ketone	0.60	J	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
gamma-BHC (Lindane)	0.68	J	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	117		45 - 120	07/19/21 07:53	07/21/21 09:32	1
DCB Decachlorobiphenyl	107		45 - 120	07/19/21 07:53	07/21/21 09:32	1
Tetrachloro-m-xylene	95		30 - 124	07/19/21 07:53	07/21/21 09:32	1
Tetrachloro-m-xylene	85		30 - 124	07/19/21 07:53	07/21/21 09:32	1

Client Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1221	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1232	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1242	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1248	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	153		60 - 154	07/22/21 08:09	07/25/21 21:47	1
Tetrachloro-m-xylene	147		60 - 154	07/22/21 08:09	07/25/21 21:47	1
DCB Decachlorobiphenyl	135		65 - 174	07/22/21 08:09	07/25/21 21:47	1
DCB Decachlorobiphenyl	152		65 - 174	07/22/21 08:09	07/25/21 21:47	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	07/21/21 08:10	07/23/21 22:49	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✳	07/21/21 08:10	07/23/21 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		28 - 129	07/21/21 08:10	07/23/21 22:49	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 22:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6110		11.0	4.8	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Antimony	16.4	U	16.4	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Arsenic	3.5		2.2	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Barium	23.7	^	0.55	0.12	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Beryllium	0.29		0.22	0.031	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Cadmium	0.042	J	0.22	0.033	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Calcium	77600		54.8	3.6	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Chromium	7.6		0.55	0.22	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Cobalt	4.0		0.55	0.055	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Copper	8.1		1.1	0.23	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Iron	10100		11.0	3.8	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Lead	8.0		1.1	0.26	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Magnesium	9300		21.9	1.0	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Manganese	339		0.22	0.035	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Nickel	9.6		5.5	0.25	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Potassium	1950	B	32.9	21.9	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Selenium	4.4	U	4.4	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Silver	0.66	U	0.66	0.22	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Sodium	122	J	153	14.2	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Thallium	6.6	U	6.6	0.33	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Vanadium	12.2		0.55	0.12	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Zinc	18.4		2.2	0.70	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0053	mg/Kg	✳	07/21/21 15:25	07/21/21 17:44	1

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187365-1	B-21-19 (2-3) (07152021)	115	98	105	91
480-187365-3	B-21-05 (7-8) (07162021)	114	99	103	91
480-187365-6	B-21-25 (3-4) (07162021)	122	94	106	92
480-187365-7	B-21-25 (4-5) (07162021)	118	97	104	91
480-187365-9	B-21-02 (7-8) (07162021)	118	93	106	90
LCS 480-589792/1-A	Lab Control Sample	103	98	101	93
MB 480-589792/2-A	Method Blank	104	93	103	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187365-2	B-21-19 (8-9) (07162021)	81	78	69	71	76	88
480-187365-4	B-21-05 (3-4) (07162021)	95	82	71	75	80	105
480-187365-8	B-21-25 (9-10) (07162021)	98	94	83	89	91	108
480-187365-10	B-21-02 (2-3) 907162021)	88	88	79	84	85	99
LCS 480-589664/2-A	Lab Control Sample	101	95	77	87	78	93
MB 480-589664/1-A	Method Blank	83	80	72	75	80	90

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187365-2	B-21-19 (8-9) (07162021)	90	86	93	76
480-187365-4	B-21-05 (3-4) (07162021)	105	100	86	80
480-187365-8	B-21-25 (9-10) (07162021)	93	87	85	69
480-187365-10	B-21-02 (2-3) 907162021)	117	107	95	85
LCS 480-589493/2-A	Lab Control Sample	83	71	69	58
MB 480-589493/1-A	Method Blank	89	96	79	66

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: ERM-Northeast

Job ID: 480-187365-1

Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187365-2	B-21-19 (8-9) (07162021)	133	129	118	128
480-187365-4	B-21-05 (3-4) (07162021)	129	131	122	127
480-187365-8	B-21-25 (9-10) (07162021)	137	132	123	136
480-187365-10	B-21-02 (2-3) 907162021)	153	147	135	152
LCS 480-590009/2-A	Lab Control Sample	132	129	122	129
MB 480-590009/1-A	Method Blank	126	125	114	122

Surrogate Legend
 TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187365-2	B-21-19 (8-9) (07162021)	77	71
480-187365-4	B-21-05 (3-4) (07162021)	67	69
480-187365-8	B-21-25 (9-10) (07162021)	78	73
480-187365-10	B-21-02 (2-3) 907162021)	72	66
LCS 480-589824/2-A	Lab Control Sample	74	60
MB 480-589824/1-A	Method Blank	66	66

Surrogate Legend
 DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-589792/2-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589792

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Acetone	25	U	25	4.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/20/21 17:38	07/20/21 21:20	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-589792/2-A

Matrix: Solid

Analysis Batch: 589794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 589792

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				07/20/21 17:38	07/20/21 21:20	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	07/20/21 17:38	07/20/21 21:20	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/20/21 17:38	07/20/21 21:20	1
Dibromofluoromethane (Surr)	103		60 - 140	07/20/21 17:38	07/20/21 21:20	1
Toluene-d8 (Surr)	93		71 - 125	07/20/21 17:38	07/20/21 21:20	1

Lab Sample ID: LCS 480-589792/1-A

Matrix: Solid

Analysis Batch: 589794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec.
							Limits
1,1,1-Trichloroethane	50.0	54.9		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.3		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	51.2		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	54.1		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	50.7		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	43.5		ug/Kg		87	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/Kg		105	63 - 124
1,2-Dibromoethane	50.0	49.6		ug/Kg		99	78 - 120
1,2-Dichlorobenzene	50.0	48.4		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	55.7		ug/Kg		111	77 - 122
1,2-Dichloropropane	50.0	53.8		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	49.6		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	284		ug/Kg		114	70 - 134
2-Hexanone	250	286		ug/Kg		114	59 - 130
4-Methyl-2-pentanone (MIBK)	250	267		ug/Kg		107	65 - 133
Acetone	250	276		ug/Kg		110	61 - 137
Benzene	50.0	53.9		ug/Kg		108	79 - 127
Bromodichloromethane	50.0	58.7		ug/Kg		117	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	62.0		ug/Kg		124	37 - 149
Carbon disulfide	50.0	49.2		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	58.4		ug/Kg		117	75 - 135
Chlorobenzene	50.0	49.0		ug/Kg		98	76 - 124
Chloroethane	50.0	71.7	TH	ug/Kg		143	69 - 135
Chloroform	50.0	55.2		ug/Kg		110	80 - 120
Chloromethane	50.0	62.5		ug/Kg		125	63 - 127
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	81 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	80 - 120
Cyclohexane	50.0	46.9		ug/Kg		94	65 - 120
Dibromochloromethane	50.0	55.9		ug/Kg		112	76 - 125
Dichlorodifluoromethane	50.0	36.2		ug/Kg		72	57 - 142
Ethylbenzene	50.0	50.6		ug/Kg		101	80 - 120

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-589792/1-A

Matrix: Solid

Analysis Batch: 589794

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.1		ug/Kg		96	72 - 120
Methyl acetate	100	107		ug/Kg		107	55 - 136
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	49.5		ug/Kg		99	60 - 140
Methylene Chloride	50.0	56.1		ug/Kg		112	61 - 127
Styrene	50.0	49.3		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	47.8		ug/Kg		96	74 - 122
Toluene	50.0	49.5		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	54.0		ug/Kg		108	78 - 126
Trichloroethene	50.0	52.0		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	56.6		ug/Kg		113	65 - 146
Vinyl chloride	50.0	67.1	TH	ug/Kg		134	61 - 133
Xylenes, Total	100	98.4		ug/Kg		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	93		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-589664/1-A

Matrix: Solid

Analysis Batch: 590204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 589664

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
1,4-Dioxane	99	U	99	55	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrophenol	1600	U	1600	780	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylphenol	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589664/1-A

Matrix: Solid

Analysis Batch: 590204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 589664

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Methylphenol	330	U	330	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitroaniline	330	U	330	88	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthylene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acetophenone	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Anthracene	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Atrazine	170	U	170	59	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzaldehyde	170	U	170	130	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Biphenyl	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Caprolactam	170	U	170	51	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Carbazole	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Chrysene	170	U	170	38	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenzofuran	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluoranthene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluorene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachloroethane	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Isophorone	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Naphthalene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene	170	U	170	19	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenanthrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenol	170	U	170	26	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pyrene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589664/1-A

Matrix: Solid

Analysis Batch: 590204

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 589664

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	3930	T J	ug/Kg		1.87		07/20/21 08:40	07/23/21 11:49	1
Unknown	496	T J	ug/Kg		3.24		07/20/21 08:40	07/23/21 11:49	1
Benzene, 1,3-dimethyl-	144	T J N	ug/Kg		3.74	108-38-3	07/20/21 08:40	07/23/21 11:49	1
Column Bleed	234	T J	ug/Kg		6.58		07/20/21 08:40	07/23/21 11:49	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	83		54 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorobiphenyl (Surr)	80		60 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorophenol (Surr)	72		52 - 120	07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/20/21 08:40	07/23/21 11:49	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 11:49	1
p-Terphenyl-d14 (Surr)	90		79 - 130	07/20/21 08:40	07/23/21 11:49	1

Lab Sample ID: LCS 480-589664/2-A

Matrix: Solid

Analysis Batch: 590035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	1630	1600		ug/Kg		98	59 - 125
1,4-Dioxane	1630	857		ug/Kg		53	23 - 120
2,3,4,6-Tetrachlorophenol	1630	1430		ug/Kg		88	64 - 120
2,4,5-Trichlorophenol	1630	1510		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1630	1470		ug/Kg		91	59 - 123
2,4-Dichlorophenol	1630	1410		ug/Kg		87	61 - 120
2,4-Dimethylphenol	1630	1390		ug/Kg		86	59 - 120
2,4-Dinitrophenol	3250	1610		ug/Kg		50	41 - 146
2,4-Dinitrotoluene	1630	1460		ug/Kg		90	63 - 120
2,6-Dinitrotoluene	1630	1490		ug/Kg		91	66 - 120
2-Chloronaphthalene	1630	1520		ug/Kg		93	57 - 120
2-Chlorophenol	1630	1270		ug/Kg		78	53 - 120
2-Methylnaphthalene	1630	1390		ug/Kg		86	59 - 120
2-Methylphenol	1630	1340		ug/Kg		82	54 - 120
2-Nitroaniline	1630	1510		ug/Kg		93	61 - 120
2-Nitrophenol	1630	1460		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3250	3430		ug/Kg		106	54 - 120
3-Nitroaniline	1630	1330		ug/Kg		82	48 - 120
4,6-Dinitro-2-methylphenol	3250	2620		ug/Kg		80	49 - 122
4-Bromophenyl phenyl ether	1630	1770		ug/Kg		109	58 - 120
4-Chloro-3-methylphenol	1630	1410		ug/Kg		87	61 - 120
4-Chloroaniline	1630	1140		ug/Kg		70	38 - 120
4-Chlorophenyl phenyl ether	1630	1570		ug/Kg		97	63 - 124
4-Methylphenol	1630	1330		ug/Kg		82	55 - 120
4-Nitroaniline	1630	1330		ug/Kg		82	56 - 120
4-Nitrophenol	3250	2810		ug/Kg		86	43 - 147
Acenaphthene	1630	1530		ug/Kg		94	62 - 120
Acenaphthylene	1630	1570		ug/Kg		97	58 - 121
Acetophenone	1630	1360		ug/Kg		84	54 - 120
Anthracene	1630	1740		ug/Kg		107	62 - 120

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-589664/2-A

Matrix: Solid

Analysis Batch: 590035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	3250	2760		ug/Kg		85	60 - 127
Benzaldehyde	3250	2510		ug/Kg		77	10 - 150
Benzo[a]anthracene	1630	1760		ug/Kg		108	65 - 120
Benzo[a]pyrene	1630	1650		ug/Kg		101	64 - 120
Benzo[b]fluoranthene	1630	1670		ug/Kg		103	64 - 120
Benzo[g,h,i]perylene	1630	1770		ug/Kg		109	45 - 145
Benzo[k]fluoranthene	1630	1620		ug/Kg		100	65 - 120
Biphenyl	1630	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1630	1310		ug/Kg		80	44 - 120
Bis(2-chloroethoxy)methane	1630	1440		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1630	1310		ug/Kg		81	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1470		ug/Kg		90	61 - 133
Butyl benzyl phthalate	1630	1590		ug/Kg		98	61 - 129
Caprolactam	3250	2850		ug/Kg		88	47 - 120
Carbazole	1630	1680		ug/Kg		103	65 - 120
Chrysene	1630	1730		ug/Kg		107	64 - 120
Dibenz(a,h)anthracene	1630	1910		ug/Kg		117	54 - 132
Dibenzofuran	1630	1570		ug/Kg		96	63 - 120
Diethyl phthalate	1630	1560		ug/Kg		96	66 - 120
Dimethyl phthalate	1630	1580		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1630	1660		ug/Kg		102	58 - 130
Di-n-octyl phthalate	1630	1570		ug/Kg		96	57 - 133
Fluoranthene	1630	1630		ug/Kg		100	62 - 120
Fluorene	1630	1530		ug/Kg		94	63 - 120
Hexachlorobenzene	1630	1780		ug/Kg		110	60 - 120
Hexachlorobutadiene	1630	1420		ug/Kg		87	45 - 120
Hexachlorocyclopentadiene	1630	790		ug/Kg		49	47 - 120
Hexachloroethane	1630	1230		ug/Kg		76	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1800		ug/Kg		111	56 - 134
Isophorone	1630	1520		ug/Kg		93	56 - 120
Naphthalene	1630	1420		ug/Kg		88	55 - 120
Nitrobenzene	1630	1430		ug/Kg		88	54 - 120
N-Nitrosodi-n-propylamine	1630	1410		ug/Kg		87	52 - 120
N-Nitrosodiphenylamine	1630	1750		ug/Kg		108	51 - 128
Pentachlorophenol	3250	3240		ug/Kg		100	51 - 120
Phenanthrene	1630	1770		ug/Kg		109	60 - 120
Phenol	1630	1210		ug/Kg		74	53 - 120
Pyrene	1630	1610		ug/Kg		99	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl (Surr)	95		60 - 120
2-Fluorophenol (Surr)	77		52 - 120
Nitrobenzene-d5 (Surr)	87		53 - 120
Phenol-d5 (Surr)	78		54 - 120
p-Terphenyl-d14 (Surr)	93		79 - 130

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-589493/1-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589493

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
beta-BHC	0.770	J	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
cis-Chlordane	1.7	U	1.7	0.82	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin	1.7	U	1.7	0.33	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
gamma-BHC (Lindane)	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Toxaphene	17	U	17	9.6	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		07/19/21 07:53	07/20/21 09:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	89		45 - 120	07/19/21 07:53	07/20/21 09:39	1
DCB Decachlorobiphenyl	96		45 - 120	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	79		30 - 124	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	66		30 - 124	07/19/21 07:53	07/20/21 09:39	1

Lab Sample ID: LCS 480-589493/2-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589493

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
4,4'-DDD	16.3	15.5		ug/Kg		95	56 - 120
4,4'-DDE	16.3	13.4		ug/Kg		82	44 - 120
4,4'-DDT	16.3	14.2		ug/Kg		87	38 - 120
Aldrin	16.3	9.64		ug/Kg		59	38 - 120
alpha-BHC	16.3	9.12		ug/Kg		56	39 - 120
beta-BHC	16.3	10.4		ug/Kg		64	40 - 120
cis-Chlordane	16.3	11.6		ug/Kg		71	47 - 120
delta-BHC	16.3	9.24		ug/Kg		57	45 - 120
Dieldrin	16.3	14.6		ug/Kg		90	58 - 120
Endosulfan I	16.3	11.1		ug/Kg		68	49 - 120
Endosulfan II	16.3	13.1		ug/Kg		81	55 - 120
Endosulfan sulfate	16.3	9.98		ug/Kg		61	49 - 124
Endrin	16.3	14.8		ug/Kg		91	58 - 120
Endrin aldehyde	16.3	12.0		ug/Kg		74	37 - 121
Endrin ketone	16.3	13.5		ug/Kg		83	46 - 123

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QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-589493/2-A

Matrix: Solid

Analysis Batch: 589639

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.3	9.91		ug/Kg		61	50 - 120
Heptachlor	16.3	10.2		ug/Kg		63	50 - 120
Heptachlor epoxide	16.3	10.4		ug/Kg		64	50 - 120
Methoxychlor	16.3	19.4		ug/Kg		120	58 - 133
trans-Chlordane	16.3	12.2		ug/Kg		75	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	83		45 - 120
DCB Decachlorobiphenyl	71		45 - 120
Tetrachloro-m-xylene	69		30 - 124
Tetrachloro-m-xylene	58		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590009/1-A

Matrix: Solid

Analysis Batch: 590345

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590009

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1248	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	126		60 - 154	07/22/21 08:09	07/25/21 17:56	1
Tetrachloro-m-xylene	125		60 - 154	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	114		65 - 174	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	122		65 - 174	07/22/21 08:09	07/25/21 17:56	1

Lab Sample ID: LCS 480-590009/2-A

Matrix: Solid

Analysis Batch: 590345

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.23	2.75		mg/Kg		123	51 - 185
PCB-1260	2.23	2.66		mg/Kg		119	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	132		60 - 154
Tetrachloro-m-xylene	129		60 - 154
DCB Decachlorobiphenyl	122		65 - 174
DCB Decachlorobiphenyl	129		65 - 174

QC Sample Results

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589824/1-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589824

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	16	U	16	10	ug/Kg		07/21/21 08:10	07/23/21 12:54	1
Silvex (2,4,5-TP)	16	U	16	5.8	ug/Kg		07/21/21 08:10	07/23/21 12:54	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
%Recovery	Qualifier								
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1			
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1			

Lab Sample ID: LCS 480-589824/2-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589824

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
2,4-D	65.6	45.1		ug/Kg		69	40 - 120
Silvex (2,4,5-TP)	65.6	45.3		ug/Kg		69	39 - 125
Surrogate	LCS	LCS	Limits				
%Recovery	Qualifier						
2,4-Dichlorophenylacetic acid	74		28 - 129				
2,4-Dichlorophenylacetic acid	60		28 - 129				

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-589553/1-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589553

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	4.83	J	10.1	4.4	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Antimony	15.1	U	15.1	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Arsenic	2.0	U	2.0	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Barium	0.135	J ^	0.50	0.11	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Calcium	50.4	U	50.4	3.3	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Cobalt	0.50	U	0.50	0.050	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Copper	0.212	J	1.0	0.21	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Lead	1.0	U	1.0	0.24	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Nickel	5.0	U	5.0	0.23	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Selenium	4.0	U	4.0	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Silver	0.60	U	0.60	0.20	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Sodium	141	U	141	13.1	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Thallium	6.0	U	6.0	0.30	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Vanadium	0.50	U	0.50	0.11	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Zinc	2.0	U	2.0	0.64	mg/Kg		07/19/21 18:05	07/20/21 23:41	1

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-589553/1-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589553

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium	0.50	U	0.50	0.20	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Iron	10.1	U	10.1	3.5	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Magnesium	20.1	U	20.1	0.93	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Manganese	0.20	U	0.20	0.032	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Potassium	27.14	J	30.2	20.1	mg/Kg		07/19/21 18:05	07/22/21 02:34	1

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	110	83.43		mg/Kg		75.8	22.2 - 254.5	6	20
Arsenic	162	135.8		mg/Kg		83.8	70.4 - 130.2	1	20
Barium	138	128.5	^	mg/Kg		93.1	74.6 - 124.6	7	20
Beryllium	157	152.7		mg/Kg		97.3	75.2 - 125.5	11	20
Cadmium	135	135.1		mg/Kg		100.1	74.8 - 124.4	13	20
Calcium	4790	4110		mg/Kg		85.8	72.7 - 127.3	4	20
Cobalt	92.6	97.87		mg/Kg		105.7	75.1 - 125.3	7	20
Copper	143	122.4		mg/Kg		85.6	74.8 - 124.5	6	20
Lead	77.6	71.91		mg/Kg		92.7	68.8 - 131.4	2	20
Nickel	79.9	86.25		mg/Kg		107.9	70.0 - 130.2	7	20
Selenium	172	156.6		mg/Kg		91.0	68.0 - 132.6	5	20
Silver	24.7	20.03		mg/Kg		81.1	67.2 - 133.2	1	20
Sodium	137	141.1	J	mg/Kg		103.0	35.8 - 164.2	2	20
Thallium	88.0	96.73		mg/Kg		109.9	66.0 - 134.1	10	20
Vanadium	99.9	85.53		mg/Kg		85.6	67.4 - 132.1	2	20
Zinc	312	272.9		mg/Kg		87.5	69.9 - 129.8	2	20

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit

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QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
							Limits		
Iron	15100	11570		mg/Kg		76.6	37.2 - 162.9	1	20
Magnesium	2320	2144		mg/Kg		92.4	62.1 - 137.9	4	20
Manganese	319	306.2		mg/Kg		96.0	74.9 - 125.1	3	20
Potassium	2050	1953		mg/Kg		95.3	59.5 - 141.0	4	20

Lab Sample ID: LCSSRM 480-589553/2-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	RPD	Limit
							Limits		
Aluminum	8190	8146		mg/Kg		99.5	50.1 - 150.2		
Antimony	110	78.80		mg/Kg		71.6	22.2 - 254.5		
Arsenic	162	134.6		mg/Kg		83.1	70.4 - 130.2		
Barium	138	138.3 ^		mg/Kg		100.2	74.6 - 124.6		
Beryllium	157	136.4		mg/Kg		86.9	75.2 - 125.5		
Cadmium	135	118.3		mg/Kg		87.7	74.8 - 124.4		
Calcium	4790	3963		mg/Kg		82.7	72.7 - 127.3		
Cobalt	92.6	91.23		mg/Kg		98.5	75.1 - 125.3		
Copper	143	115.7		mg/Kg		80.9	74.8 - 124.5		
Lead	77.6	70.81		mg/Kg		91.2	68.8 - 131.4		
Nickel	79.9	80.61		mg/Kg		100.9	70.0 - 130.2		
Selenium	172	148.7		mg/Kg		86.5	68.0 - 132.6		
Silver	24.7	20.23		mg/Kg		81.9	67.2 - 133.2		
Sodium	137	139.0 J		mg/Kg		101.4	35.8 - 164.2		
Thallium	88.0	87.68		mg/Kg		99.6	66.0 - 134.1		
Vanadium	99.9	83.51		mg/Kg		83.6	67.4 - 132.1		
Zinc	312	266.5		mg/Kg		85.4	69.9 - 129.8		

QC Sample Results

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-589553/2-A
 Matrix: Solid
 Analysis Batch: 590048

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 589553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium	117	107.0		mg/Kg		91.5	70.1 - 129.9
Iron	15100	11670		mg/Kg		77.3	37.2 - 162.9
Magnesium	2320	2228		mg/Kg		96.0	62.1 - 137.9
Manganese	319	297.9		mg/Kg		93.4	74.9 - 125.1
Potassium	2050	2033		mg/Kg		99.2	59.5 - 141.0

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-589784/1-A
 Matrix: Solid
 Analysis Batch: 589985

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 589784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0040	mg/Kg		07/21/21 15:25	07/21/21 17:32	1

Lab Sample ID: LCDSRM 480-589784/22-A ^10
 Matrix: Solid
 Analysis Batch: 589985

Client Sample ID: Lab Control Sample Dup
 Prep Type: Total/NA
 Prep Batch: 589784

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	27.2	21.02		mg/Kg		77.3	59.9 - 140.1	4	20

Lab Sample ID: LCSSRM 480-589784/2-A ^10
 Matrix: Solid
 Analysis Batch: 589985

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 589784

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	21.93		mg/Kg		80.6	59.9 - 140.1

Lab Sample ID: 480-187365-2 MS
 Matrix: Solid
 Analysis Batch: 589985

Client Sample ID: B-21-19 (8-9) (07162021)
 Prep Type: Total/NA
 Prep Batch: 589784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.010	J	0.423	0.435		mg/Kg	☼	100	80 - 120

Lab Sample ID: 480-187365-2 MSD
 Matrix: Solid
 Analysis Batch: 589985

Client Sample ID: B-21-19 (8-9) (07162021)
 Prep Type: Total/NA
 Prep Batch: 589784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.010	J	0.423	0.433		mg/Kg	☼	100	80 - 120	1	20

QC Association Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

GC/MS VOA

Prep Batch: 589792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	5035A_L	
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	5035A_L	
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	5035A_L	
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	5035A_L	
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	5035A_L	
MB 480-589792/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 589794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	8260C	589792
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	8260C	589792
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	8260C	589792
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	8260C	589792
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	8260C	589792
MB 480-589792/2-A	Method Blank	Total/NA	Solid	8260C	589792
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	8260C	589792

GC/MS Semi VOA

Prep Batch: 589664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-589664/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	8270D	589664

Analysis Batch: 590204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8270D	589664
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8270D	589664
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8270D	589664
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8270D	589664
MB 480-589664/1-A	Method Blank	Total/NA	Solid	8270D	589664

GC Semi VOA

Prep Batch: 589493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-589493/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

GC Semi VOA

Analysis Batch: 589639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8081B	589493
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8081B	589493
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8081B	589493
MB 480-589493/1-A	Method Blank	Total/NA	Solid	8081B	589493
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	8081B	589493

Prep Batch: 589824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8151A	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8151A	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8151A	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8151A	
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 589833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8081B	589493

Prep Batch: 590009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-590009/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8151A	589824
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8151A	589824
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8151A	589824
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8151A	589824
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	589824
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	589824

Analysis Batch: 590345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8082A	590009
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8082A	590009
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8082A	590009
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8082A	590009
MB 480-590009/1-A	Method Blank	Total/NA	Solid	8082A	590009
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	8082A	590009

Metals

Prep Batch: 589553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3050B	

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QC Association Summary

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Metals (Continued)

Prep Batch: 589553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3050B	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3050B	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3050B	
MB 480-589553/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 589784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	7471B	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	7471B	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	7471B	
MB 480-589784/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-589784/22-A ^10	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-589784/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-187365-2 MS	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	
480-187365-2 MSD	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	

Analysis Batch: 589882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-589553/1-A	Method Blank	Total/NA	Solid	6010C	589553
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	589553
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	6010C	589553

Analysis Batch: 589985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	7471B	589784
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	7471B	589784
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	7471B	589784
MB 480-589784/1-A	Method Blank	Total/NA	Solid	7471B	589784
LCDSRM 480-589784/22-A ^10	Lab Control Sample Dup	Total/NA	Solid	7471B	589784
LCSSRM 480-589784/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	589784
480-187365-2 MS	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784
480-187365-2 MSD	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784

Analysis Batch: 590048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	6010C	589553
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	6010C	589553
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	6010C	589553
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	6010C	589553
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	6010C	589553
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	6010C	589553
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	6010C	589553
MB 480-589553/1-A	Method Blank	Total/NA	Solid	6010C	589553
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	589553
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	6010C	589553

QC Association Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

General Chemistry

Analysis Batch: 589477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	Moisture	
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	Moisture	
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	Moisture	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	Moisture	
480-187365-5	B-21-05 (9-10) (07162021)	Total/NA	Solid	Moisture	
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	Moisture	
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	Moisture	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	Moisture	
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	Moisture	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	Moisture	



Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 02:16	CDC	TAL BUF

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 20:24	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:12	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 20:42	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 21:20	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:33	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 03:48	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:36	BMB	TAL BUF

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 02:41	CDC	TAL BUF

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 20:48	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:32	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:21	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 21:50	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:51	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 03:55	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:41	BMB	TAL BUF

Client Sample ID: B-21-05 (9-10) (07162021)

Lab Sample ID: 480-187365-5

Date Collected: 07/16/21 09:30

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:05	CDC	TAL BUF

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:30	CDC	TAL BUF

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 21:12	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:51	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:34	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 22:19	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:59	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 04:03	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:42	BMB	TAL BUF

Lab Chronicle

Client: ERM-Northeast
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:54	CDC	TAL BUF

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 21:37	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589833	07/21/21 09:32	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:47	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 22:49	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 04:06	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:44	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Method Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ERM-Northeast
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187365-1	B-21-19 (2-3) (07152021)	Solid	07/16/21 07:45	07/17/21 08:00
480-187365-2	B-21-19 (8-9) (07162021)	Solid	07/16/21 08:00	07/17/21 08:00
480-187365-3	B-21-05 (7-8) (07162021)	Solid	07/16/21 09:00	07/17/21 08:00
480-187365-4	B-21-05 (3-4) (07162021)	Solid	07/16/21 09:15	07/17/21 08:00
480-187365-5	B-21-05 (9-10) (07162021)	Solid	07/16/21 09:30	07/17/21 08:00
480-187365-6	B-21-25 (3-4) (07162021)	Solid	07/16/21 10:45	07/17/21 08:00
480-187365-7	B-21-25 (4-5) (07162021)	Solid	07/16/21 11:00	07/17/21 08:00
480-187365-8	B-21-25 (9-10) (07162021)	Solid	07/16/21 11:15	07/17/21 08:00
480-187365-9	B-21-02 (7-8) (07162021)	Solid	07/16/21 12:10	07/17/21 08:00
480-187365-10	B-21-02 (2-3) 907162021)	Solid	07/16/21 12:00	07/17/21 08:00

- 1
- 2
- 3
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- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

PFAS → SVS Family 2, PE

Syracuse

Client Information
 Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State: NY, Zip: 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: Lidestrf-Ridgeway Property
 Site: S50W#

Lab PM: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 PWSID:

COC No: 480-162431-35686.1
 Page: 1 of 4
 Job #: #225

SHORT HOLD

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #:
Purchase Order Requested:
WO #:
Project #: 48023985
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 747B	8081B, 8082A, 8151A, 8270D	PFQ, JDA - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	Total Number	Special Instructions/Note:
B-21-19 (2-3)(07162021)	7/16/2021	0745	G	Solid	X	X	N	N	N	N	4	
B-21-19 (8-9)(07162021)		0800		Solid	N	X	N	N	N	N	3	
B-21-05 (7-8)(07162021)		0900		Solid	N	X	N	N	N	N	4	
B-21-05 (3-4)(07162021)		0915		Solid	N	X	N	N	N	N	3	
B-21-05 (9-10)(07162021)		0930		Solid	N	X	N	N	N	N	2	
B-21-25 (3-4)(07162021)		1045		Solid	N	X	N	N	N	N	4	
B-21-25 (4-5)(07162021)		1100		Solid	N	X	N	N	N	N	4	
B-21-25 (4-10)(07162021)		1115		Solid	N	X	N	N	N	N	3	
B-21-02 (7-8)(07162021)		1210		Solid	N	X	N	N	N	N	4	
B-21-02 (2-3)(07162021)		1200		Solid	N	X	N	N	N	N	3	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: **ASP Cat. B deliverables**

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: _____ Date/Time: 7-16-21, 14:59 Company: ERM
Relinquished by: _____ Date/Time: 7-16-21, 1900 Company: ERM
Relinquished by: _____ Date/Time: _____ Company: _____
Custody Seals Intact: Δ Yes Δ No
Custody Seal No.: _____
Received by: _____ Date/Time: 7/16/21, 14:59 Company: _____
Received by: _____ Date/Time: _____ Company: _____
Received by: _____ Date/Time: 7/16/21, 800 Company: _____
Cooler Temperature(s) °C and Other Remarks: 3.2 #1

Chain of Custody Record

Sampler: *K. Ropygack*
 Client Contact: *Mr. Robert Sents*
 Company: *ERM-Northeast*
 Address: *5784 Widewaters Pkwy*
 City: *Dewitt*
 State, Zip: *NY, 13214*
 Phone: *315-445-2543(Tel)*
 Email: *robert.sents@erm.com*
 Project Name: *LI-Cycle: Lidesfri-Ridgeway Property*
 Site: *480-23985*

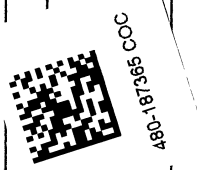
Syracuse
 State of New York
 #225

COC No: 480-162431-35886.1
 Page: 1 of 4
 Job #:

Lab PI#: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 Analysis Requested: **Standard**
 TAT Requested (days): **Standard**
 Compliance Project: Yes No
 PO #: **Purchase Order Requested**
 WO #:
 Project #: **48023985**
 SSONW#:

- Preservation Codes:
 A - HCl
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 G - Amchlor
 H - Ascorbic Acid
 I - Ice
 J - DI Water
 K - EDTA
 L - EDA
 Other:
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2OAS
 Q - Na2SO3
 R - Na2SO3
 S - H2SO4
 T - TSP Dodecahydrate
 U - Acetone
 V - MCAA
 W - pH 4-5
 X - EDTA
 Y - EDA
 Z - other (specify)

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Volatile, SemiV, On-water)	Field Filtered Sample (Yes/No)	8260C - TCL VOCs + 10 TICs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	PFC, IDA - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	Total Number of Containers	Special Instructions/Note:
B-21-19 (2-3)(07162021)	7/16/2021	0745	G	Solid	X	X					4	
B-21-19 (8-9)(07162021)		0800		Solid	N	X	X				3	
B-21-05 (7-8)(07162021)		0900		Solid	N	X					4	
B-21-05 (3-4)(07162021)		0915		Solid	N	X					5	
B-21-05 (9-10)(07162021)		0930		Solid	N						2	
B-21-25 (3-4)(07162021)		1045		Solid	N	X		X			4	
B-21-25 (4-5)(07162021)		1100		Solid	N	X		X			4	
B-21-25 (4-10)(07162021)		1115		Solid	N	X		X			3	
B-21-02 (7-8)(07162021)		1210		Solid	N	X					4	
B-21-02 (2-3)(07162021)		1200		Solid	N	X	X				3	



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) **IX**

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *[Signature]* Date: *7-16-21 14:19* Company: *ERM*

Relinquished by: *[Signature]* Date: *7-16-21 1900* Company: *[Signature]*

Relinquished by: *[Signature]* Date: _____ Company: _____

Custody Seals Intact: Yes No
 Custody Seal No.: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: **ASP Cat. B delivered**

Method of Shipment: _____

Received by: *[Signature]* Date/Time: *7-16-21 14:19* Company: _____

Received by: *[Signature]* Date/Time: *7/17/21 1030* Company: *ETA34*

Received by: *[Signature]* Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 16JUL21
ACTWGT: 7.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

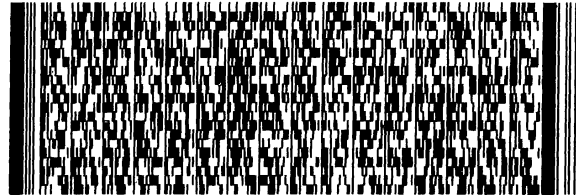
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 880-1990

REF: ERM PFAS 1COOLER



FedEx
Express



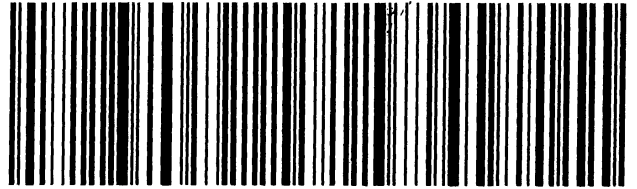
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TRK# 9735 8147 0417
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US **BTV**



Login Sample Receipt Checklist

Client: ERM-Northeast

Job Number: 480-187365-1

Login Number: 187365

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	FROZEN @ 1200
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187365-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property
Revision: 1

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:

8/3/2021 6:15:56 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
♠	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated

Eurofins TestAmerica, Buffalo

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Job ID: 480-187365-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187365-1

Revision

This report has been revised to include in the case narrative information regarding the canceling of B-21-05 (9-10) (07162021) (480-187365-5) for methods 537 (modified) and Lloyd Kahn.

Receipt

The samples were received on 7/17/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

Receipt Exceptions

Methods 537 (modified), Lloyd Kahn: The following sample was received at the laboratory outside the required temperature criteria: B-21-05 (9-10) (07162021) (480-187365-5). The client was contacted regarding this issue, and the laboratory was instructed to cancel analysis.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-589794 recovered above the upper control limit for 2-Butanone (MEK), 2-Hexanone, Carbon tetrachloride, Chloroethane, Chloromethane, Dichlorobromomethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-19 (2-3) (07152021) (480-187365-1), B-21-05 (7-8) (07162021) (480-187365-3), B-21-25 (3-4) (07162021) (480-187365-6), B-21-25 (4-5) (07162021) (480-187365-7) and B-21-02 (7-8) (07162021) (480-187365-9).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-589792 and analytical batch 480-589794 recovered outside control limits for the following analytes: Vinyl chloride and Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-19 (2-3) (07152021) (480-187365-1), B-21-05 (7-8) (07162021) (480-187365-3), B-21-25 (3-4) (07162021) (480-187365-6), B-21-25 (4-5) (07162021) (480-187365-7) and B-21-02 (7-8) (07162021) (480-187365-9).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-590345 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4), B-21-25 (9-10) (07162021) (480-187365-8) and B-21-02 (2-3) (07162021) (480-187365-10).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Methods 6010, 6010C: The low level continuing calibration verification (CCVL 480-589882/27) recovered above the upper control limit for Total Barium. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCDSRM 480-589553/3-A), (LCSSRM 480-589553/2-A) and (MB 480-589553/1-A) was not performed.

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4), B-21-25 (9-10) (07162021) (480-187365-8) and B-21-02 (2-3) (07162021) (480-187365-10)

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Job ID: 480-187365-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-19 (8-9) (07162021) (480-187365-2), B-21-05 (3-4) (07162021) (480-187365-4) and B-21-25 (9-10) (07162021) (480-187365-8). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

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Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

No Detections.

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-octyl phthalate	58	J	200	24	ug/Kg	1	☼	8270D	Total/NA
Methoxychlor	0.60	J	2.0	0.41	ug/Kg	1	☼	8081B	Total/NA
Aluminum	6490		12.5	5.5	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.5		2.5	0.50	mg/Kg	1	☼	6010C	Total/NA
Barium	17.5	^	0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.48		0.25	0.035	mg/Kg	1	☼	6010C	Total/NA
Calcium	128000		125	8.2	mg/Kg	2	☼	6010C	Total/NA
Chromium	8.4		0.62	0.25	mg/Kg	1	☼	6010C	Total/NA
Cobalt	6.9		0.62	0.062	mg/Kg	1	☼	6010C	Total/NA
Copper	10.6		2.5	0.52	mg/Kg	2	☼	6010C	Total/NA
Iron	12400		12.5	4.4	mg/Kg	1	☼	6010C	Total/NA
Lead	37.4		1.2	0.30	mg/Kg	1	☼	6010C	Total/NA
Magnesium	3350		25.0	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	488		0.25	0.040	mg/Kg	1	☼	6010C	Total/NA
Nickel	15.6		6.2	0.29	mg/Kg	1	☼	6010C	Total/NA
Potassium	3400	B	37.5	25.0	mg/Kg	1	☼	6010C	Total/NA
Sodium	119	J	175	16.2	mg/Kg	1	☼	6010C	Total/NA
Vanadium	8.7		0.62	0.14	mg/Kg	1	☼	6010C	Total/NA
Zinc	38.6		2.5	0.80	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.010	J	0.023	0.0052	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0	J	27	4.6	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.53	J	5.4	0.41	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7500		11.9	5.2	mg/Kg	1	☼	6010C	Total/NA
Arsenic	4.8		2.4	0.47	mg/Kg	1	☼	6010C	Total/NA
Barium	21.8	^	0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.46		0.24	0.033	mg/Kg	1	☼	6010C	Total/NA
Calcium	150000		119	7.8	mg/Kg	2	☼	6010C	Total/NA
Chromium	8.2		0.59	0.24	mg/Kg	1	☼	6010C	Total/NA
Cobalt	5.5		0.59	0.059	mg/Kg	1	☼	6010C	Total/NA
Copper	8.0		2.4	0.50	mg/Kg	2	☼	6010C	Total/NA
Iron	10500		11.9	4.1	mg/Kg	1	☼	6010C	Total/NA
Lead	27.2		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Magnesium	17300		23.7	1.1	mg/Kg	1	☼	6010C	Total/NA
Manganese	354		0.24	0.038	mg/Kg	1	☼	6010C	Total/NA
Nickel	11.8		5.9	0.27	mg/Kg	1	☼	6010C	Total/NA
Potassium	3570	B	35.6	23.7	mg/Kg	1	☼	6010C	Total/NA
Silver	0.25	J	0.71	0.24	mg/Kg	1	☼	6010C	Total/NA
Sodium	123	J	166	15.4	mg/Kg	1	☼	6010C	Total/NA
Vanadium	8.8		0.59	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	14.8		2.4	0.76	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0066	J	0.020	0.0046	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (9-10) (07162021)

Lab Sample ID: 480-187365-5

No Detections.

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

No Detections.

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

No Detections.

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6180		10.8	4.7	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.3		2.2	0.43	mg/Kg	1	✳	6010C	Total/NA
Barium	20.2	^	0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.42		0.22	0.030	mg/Kg	1	✳	6010C	Total/NA
Calcium	154000		108	7.1	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.3		0.54	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.5		0.54	0.054	mg/Kg	1	✳	6010C	Total/NA
Copper	11.6		2.2	0.45	mg/Kg	2	✳	6010C	Total/NA
Iron	9650		10.8	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	14.9		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA
Magnesium	12500		21.6	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	386		0.22	0.035	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.1		5.4	0.25	mg/Kg	1	✳	6010C	Total/NA
Potassium	3370	B	32.3	21.6	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.51	J	4.3	0.43	mg/Kg	1	✳	6010C	Total/NA
Sodium	137	J	151	14.0	mg/Kg	1	✳	6010C	Total/NA
Vanadium	7.7		0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	39.8		2.2	0.69	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

No Detections.

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.52	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.57	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endosulfan sulfate	0.43	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.60	J	1.9	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.68	J	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6110		11.0	4.8	mg/Kg	1	✳	6010C	Total/NA
Arsenic	3.5		2.2	0.44	mg/Kg	1	✳	6010C	Total/NA
Barium	23.7	^	0.55	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.29		0.22	0.031	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.042	J	0.22	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	77600		54.8	3.6	mg/Kg	1	✳	6010C	Total/NA
Chromium	7.6		0.55	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.0		0.55	0.055	mg/Kg	1	✳	6010C	Total/NA
Copper	8.1		1.1	0.23	mg/Kg	1	✳	6010C	Total/NA
Iron	10100		11.0	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	8.0		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021 (Continued)

Lab Sample ID: 480-187365-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	9300		21.9	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	339		0.22	0.035	mg/Kg	1	✳	6010C	Total/NA
Nickel	9.6		5.5	0.25	mg/Kg	1	✳	6010C	Total/NA
Potassium	1950	B	32.9	21.9	mg/Kg	1	✳	6010C	Total/NA
Sodium	122	J	153	14.2	mg/Kg	1	✳	6010C	Total/NA
Vanadium	12.2		0.55	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	18.4		2.2	0.70	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.99	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1-Dichloroethane	4.3	U	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dibromoethane	4.3	U	4.3	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,2-Dichloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
1,4-Dichlorobenzene	4.3	U	4.3	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Acetone	22	U	22	3.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromoform	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Carbon disulfide	4.3	U	4.3	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloroethane	4.3	U TH	4.3	0.98	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Cyclohexane	4.3	U	4.3	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methyl tert-butyl ether	4.3	U	4.3	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methylcyclohexane	4.3	U	4.3	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Styrene	4.3	U	4.3	0.22	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Toluene	4.3	U	4.3	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Trichloroethene	4.3	U	4.3	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Vinyl chloride	4.3	U TH	4.3	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:16	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	5.5	TJ	ug/Kg	☼	7.19		07/17/21 12:00	07/21/21 02:16	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	115		64 - 126				07/17/21 12:00	07/21/21 02:16	1
4-Bromofluorobenzene (Surr)	98		72 - 126				07/17/21 12:00	07/21/21 02:16	1
Dibromofluoromethane (Surr)	105		60 - 140				07/17/21 12:00	07/21/21 02:16	1
Toluene-d8 (Surr)	91		71 - 125				07/17/21 12:00	07/21/21 02:16	1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2,4,5-Tetrachlorobenzene	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
1,4-Dioxane	120	U	120	66	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,3,4,6-Tetrachlorophenol	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4,5-Trichlorophenol	200	U	200	55	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4,6-Trichlorophenol	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dichlorophenol	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dinitrophenol	2000	U	2000	940	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,4-Dinitrotoluene	200	U	200	42	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Chloronaphthalene	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Chlorophenol	400	U	400	37	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Methylnaphthalene	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Nitroaniline	400	U	400	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
3-Nitroaniline	400	U	400	56	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4,6-Dinitro-2-methylphenol	400	U	400	200	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Bromophenyl phenyl ether	200	U	200	29	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acenaphthene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Acetophenone	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Anthracene	200	U	200	50	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Atrazine	200	U	200	71	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[g,h,i]perylene	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
bis (2-chloroisopropyl) ether	200	U	200	41	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Butyl benzyl phthalate	200	U	200	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Caprolactam	200	U	200	61	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Carbazole	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Chrysene	200	U	200	45	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Di-n-butyl phthalate	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Di-n-octyl phthalate	58	J	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Fluoranthene	200	U	200	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Fluorene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorobenzene	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachlorocyclopentadiene	200	U	200	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Isophorone	200	U	200	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Nitrobenzene	200	U	200	23	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
N-Nitrosodi-n-propylamine	200	U	200	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
N-Nitrosodiphenylamine	200	U	200	170	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Pentachlorophenol	400	U	400	200	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Phenol	200	U	200	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1
Pyrene	200	U	200	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	170	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 20:24	1
Unknown	970	T J	ug/Kg	☼	14.87		07/20/21 08:40	07/23/21 20:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/20/21 08:40	07/23/21 20:24	1
2-Fluorobiphenyl (Surr)	78		60 - 120	07/20/21 08:40	07/23/21 20:24	1
2-Fluorophenol (Surr)	69		52 - 120	07/20/21 08:40	07/23/21 20:24	1
Nitrobenzene-d5 (Surr)	71		53 - 120	07/20/21 08:40	07/23/21 20:24	1
Phenol-d5 (Surr)	76		54 - 120	07/20/21 08:40	07/23/21 20:24	1
p-Terphenyl-d14 (Surr)	88		79 - 130	07/20/21 08:40	07/23/21 20:24	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/19/21 07:53	07/20/21 15:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin	2.0	U	2.0	0.40	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
gamma-BHC (Lindane)	2.0	U	2.0	0.37	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Methoxychlor	0.60	J	2.0	0.41	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
Toxaphene	20	U	20	12	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1
trans-Chlordane	2.0	U	2.0	0.64	ug/Kg	✱	07/19/21 07:53	07/20/21 15:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120	07/19/21 07:53	07/20/21 15:12	1
DCB Decachlorobiphenyl	86		45 - 120	07/19/21 07:53	07/20/21 15:12	1
Tetrachloro-m-xylene	93		30 - 124	07/19/21 07:53	07/20/21 15:12	1
Tetrachloro-m-xylene	76		30 - 124	07/19/21 07:53	07/20/21 15:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	✱	07/22/21 08:09	07/25/21 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	133		60 - 154	07/22/21 08:09	07/25/21 20:42	1
Tetrachloro-m-xylene	129		60 - 154	07/22/21 08:09	07/25/21 20:42	1
DCB Decachlorobiphenyl	118		65 - 174	07/22/21 08:09	07/25/21 20:42	1
DCB Decachlorobiphenyl	128		65 - 174	07/22/21 08:09	07/25/21 20:42	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✱	07/21/21 08:10	07/23/21 21:20	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	✱	07/21/21 08:10	07/23/21 21:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		28 - 129	07/21/21 08:10	07/23/21 21:20	1
2,4-Dichlorophenylacetic acid	71		28 - 129	07/21/21 08:10	07/23/21 21:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6490		12.5	5.5	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Antimony	18.7	U	18.7	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Arsenic	6.5		2.5	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Barium	17.5	^	0.62	0.14	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Beryllium	0.48		0.25	0.035	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Cadmium	0.25	U	0.25	0.037	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Calcium	128000		125	8.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:48	2
Chromium	8.4		0.62	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Cobalt	6.9		0.62	0.062	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Copper	10.6		2.5	0.52	mg/Kg	☼	07/19/21 18:05	07/22/21 03:48	2
Iron	12400		12.5	4.4	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Lead	37.4		1.2	0.30	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Magnesium	3350		25.0	1.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Manganese	488		0.25	0.040	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Nickel	15.6		6.2	0.29	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Potassium	3400	B	37.5	25.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Silver	0.75	U	0.75	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Sodium	119	J	175	16.2	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Thallium	7.5	U	7.5	0.37	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Vanadium	8.7		0.62	0.14	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1
Zinc	38.6		2.5	0.80	mg/Kg	☼	07/19/21 18:05	07/22/21 03:33	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	J	0.023	0.0052	mg/Kg	☼	07/21/21 15:25	07/21/21 17:36	1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U	5.4	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2,2-Tetrachloroethane	5.4	U	5.4	0.88	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1,2-Trichloroethane	5.4	U	5.4	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1-Dichloroethane	5.4	U	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,1-Dichloroethene	5.4	U	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2,4-Trichlorobenzene	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dibromo-3-Chloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dibromoethane	5.4	U	5.4	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichlorobenzene	5.4	U	5.4	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichloroethane	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,2-Dichloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,3-Dichlorobenzene	5.4	U	5.4	0.28	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
1,4-Dichlorobenzene	5.4	U	5.4	0.76	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.0	J	27	4.6	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Benzene	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromodichloromethane	5.4	U	5.4	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromoform	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Bromomethane	5.4	U	5.4	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Carbon disulfide	5.4	U	5.4	2.7	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Carbon tetrachloride	5.4	U	5.4	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chlorobenzene	5.4	U	5.4	0.71	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloroethane	5.4	U TH	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloroform	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Chloromethane	5.4	U	5.4	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
cis-1,2-Dichloroethene	5.4	U	5.4	0.69	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
cis-1,3-Dichloropropene	5.4	U	5.4	0.78	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Cyclohexane	5.4	U	5.4	0.76	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Dibromochloromethane	5.4	U	5.4	0.69	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Dichlorodifluoromethane	5.4	U	5.4	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Ethylbenzene	5.4	U	5.4	0.37	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Isopropylbenzene	5.4	U	5.4	0.82	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methyl acetate	27	U	27	3.3	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methyl tert-butyl ether	5.4	U	5.4	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methylcyclohexane	5.4	U	5.4	0.82	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Methylene Chloride	5.4	U	5.4	2.5	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Styrene	5.4	U	5.4	0.27	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Tetrachloroethene	5.4	U	5.4	0.73	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Toluene	0.53	J	5.4	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
trans-1,2-Dichloroethene	5.4	U	5.4	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
trans-1,3-Dichloropropene	5.4	U	5.4	2.4	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Trichloroethene	5.4	U	5.4	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Trichlorofluoromethane	5.4	U	5.4	0.51	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Vinyl chloride	5.4	U TH	5.4	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1
Xylenes, Total	11	U	11	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 02:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 02:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	07/17/21 12:00	07/21/21 02:41	1
4-Bromofluorobenzene (Surr)	99		72 - 126	07/17/21 12:00	07/21/21 02:41	1
Dibromofluoromethane (Surr)	103		60 - 140	07/17/21 12:00	07/21/21 02:41	1
Toluene-d8 (Surr)	91		71 - 125	07/17/21 12:00	07/21/21 02:41	1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dinitrophenol	1900	U	1900	880	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
2-Nitrophenol	190	U	190	54	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
3,3'-Dichlorobenzidine	370	U	370	220	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
3-Nitroaniline	370	U	370	53	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chloro-3-methylphenol	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chloroaniline	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Methylphenol	370	U	370	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Nitroaniline	370	U	370	100	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
4-Nitrophenol	370	U	370	130	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acenaphthene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Acetophenone	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Anthracene	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Atrazine	190	U	190	66	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Biphenyl	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Bis(2-ethylhexyl) phthalate	190	U	190	65	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Caprolactam	190	U	190	57	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Carbazole	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Chrysene	190	U	190	43	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Fluorene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Isophorone	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Phenol	190	U	190	29	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1
Pyrene	190	U	190	22	ug/Kg	☼	07/20/21 08:40	07/23/21 20:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3000	T J	ug/Kg	☼	1.85		07/20/21 08:40	07/23/21 20:48	1
Unknown	170	T J	ug/Kg	☼	3.27		07/20/21 08:40	07/23/21 20:48	1
Ethane, 1,1,2,2-tetrachloro-	160	T J N	ug/Kg	☼	4.41	79-34-5	07/20/21 08:40	07/23/21 20:48	1
Caryophyllene	310	T J N	ug/Kg	☼	8.77	87-44-5	07/20/21 08:40	07/23/21 20:48	1
Unknown	410	T J	ug/Kg	☼	9.21		07/20/21 08:40	07/23/21 20:48	1
Unknown	1700	T J	ug/Kg	☼	10.11		07/20/21 08:40	07/23/21 20:48	1
9-Octadecenamide, (Z)-	200	T J N	ug/Kg	☼	12.71	301-02-0	07/20/21 08:40	07/23/21 20:48	1
Unknown	710	T J	ug/Kg	☼	15.56		07/20/21 08:40	07/23/21 20:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		54 - 120	07/20/21 08:40	07/23/21 20:48	1
2-Fluorobiphenyl (Surr)	82		60 - 120	07/20/21 08:40	07/23/21 20:48	1
2-Fluorophenol (Surr)	71		52 - 120	07/20/21 08:40	07/23/21 20:48	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/20/21 08:40	07/23/21 20:48	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 20:48	1
p-Terphenyl-d14 (Surr)	105		79 - 130	07/20/21 08:40	07/23/21 20:48	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
gamma-BHC (Lindane)	1.9	U	1.9	0.35	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
Toxaphene	19	U	19	11	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	✳	07/19/21 07:53	07/20/21 15:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	105		45 - 120	07/19/21 07:53	07/20/21 15:32	1
DCB Decachlorobiphenyl	100		45 - 120	07/19/21 07:53	07/20/21 15:32	1
Tetrachloro-m-xylene	86		30 - 124	07/19/21 07:53	07/20/21 15:32	1
Tetrachloro-m-xylene	80		30 - 124	07/19/21 07:53	07/20/21 15:32	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1221	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1232	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1242	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1248	0.28	U	0.28	0.054	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	✳	07/22/21 08:09	07/25/21 21:21	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154	07/22/21 08:09	07/25/21 21:21	1
Tetrachloro-m-xylene	131		60 - 154	07/22/21 08:09	07/25/21 21:21	1
DCB Decachlorobiphenyl	122		65 - 174	07/22/21 08:09	07/25/21 21:21	1
DCB Decachlorobiphenyl	127		65 - 174	07/22/21 08:09	07/25/21 21:21	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	07/21/21 08:10	07/23/21 21:50	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	✳	07/21/21 08:10	07/23/21 21:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	07/21/21 08:10	07/23/21 21:50	1
2,4-Dichlorophenylacetic acid	69		28 - 129	07/21/21 08:10	07/23/21 21:50	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7500		11.9	5.2	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Antimony	17.8	U	17.8	0.47	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Arsenic	4.8		2.4	0.47	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Barium	21.8	^	0.59	0.13	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Beryllium	0.46		0.24	0.033	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Calcium	150000		119	7.8	mg/Kg	✳	07/19/21 18:05	07/22/21 03:55	2
Chromium	8.2		0.59	0.24	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Cobalt	5.5		0.59	0.059	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	8.0		2.4	0.50	mg/Kg	✳	07/19/21 18:05	07/22/21 03:55	2
Iron	10500		11.9	4.1	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Lead	27.2		1.2	0.28	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Magnesium	17300		23.7	1.1	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Manganese	354		0.24	0.038	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Nickel	11.8		5.9	0.27	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Potassium	3570	B	35.6	23.7	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Selenium	4.7	U	4.7	0.47	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Silver	0.25	J	0.71	0.24	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Sodium	123	J	166	15.4	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Thallium	7.1	U	7.1	0.36	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Vanadium	8.8		0.59	0.13	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1
Zinc	14.8		2.4	0.76	mg/Kg	✳	07/19/21 18:05	07/22/21 03:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0066	J	0.020	0.0046	mg/Kg	✳	07/21/21 15:25	07/21/21 17:41	1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
2-Hexanone	24	U	24	2.4	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.5	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Acetone	24	U	24	4.0	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Benzene	4.7	U	4.7	0.23	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	✳	07/17/21 12:00	07/21/21 03:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methyl acetate	24	U	24	2.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Vinyl chloride	4.7	U TH	4.7	0.58	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	07/17/21 12:00	07/21/21 03:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126	07/17/21 12:00	07/21/21 03:05	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/17/21 12:00	07/21/21 03:05	1
Dibromofluoromethane (Surr)	106		60 - 140	07/17/21 12:00	07/21/21 03:05	1
Toluene-d8 (Surr)	92		71 - 125	07/17/21 12:00	07/21/21 03:05	1

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.8	U	6.8	0.49	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2,2-Tetrachloroethane	6.8	U	6.8	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.8	U	6.8	1.6	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1,2-Trichloroethane	6.8	U	6.8	0.89	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1-Dichloroethane	6.8	U	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,1-Dichloroethene	6.8	U	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2,4-Trichlorobenzene	6.8	U	6.8	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dibromo-3-Chloropropane	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dibromoethane	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichlorobenzene	6.8	U	6.8	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichloroethane	6.8	U	6.8	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,2-Dichloropropane	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	6.8	U	6.8	0.35	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
1,4-Dichlorobenzene	6.8	U	6.8	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
2-Butanone (MEK)	34	U	34	2.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
2-Hexanone	34	U	34	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
4-Methyl-2-pentanone (MIBK)	34	U	34	2.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Acetone	34	U	34	5.7	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Benzene	6.8	U	6.8	0.33	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromodichloromethane	6.8	U	6.8	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromoform	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Bromomethane	6.8	U	6.8	0.61	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Carbon disulfide	6.8	U	6.8	3.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Carbon tetrachloride	6.8	U	6.8	0.66	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chlorobenzene	6.8	U	6.8	0.90	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloroethane	6.8	U TH	6.8	1.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloroform	6.8	U	6.8	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Chloromethane	6.8	U	6.8	0.41	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
cis-1,2-Dichloroethene	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
cis-1,3-Dichloropropene	6.8	U	6.8	0.98	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Cyclohexane	6.8	U	6.8	0.95	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Dibromochloromethane	6.8	U	6.8	0.87	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Dichlorodifluoromethane	6.8	U	6.8	0.56	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Ethylbenzene	6.8	U	6.8	0.47	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Isopropylbenzene	6.8	U	6.8	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methyl acetate	34	U	34	4.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methyl tert-butyl ether	6.8	U	6.8	0.67	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methylcyclohexane	6.8	U	6.8	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Methylene Chloride	6.8	U	6.8	3.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Styrene	6.8	U	6.8	0.34	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Tetrachloroethene	6.8	U	6.8	0.91	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Toluene	6.8	U	6.8	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
trans-1,2-Dichloroethene	6.8	U	6.8	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
trans-1,3-Dichloropropene	6.8	U	6.8	3.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Trichloroethene	6.8	U	6.8	1.5	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Trichlorofluoromethane	6.8	U	6.8	0.64	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Vinyl chloride	6.8	U TH	6.8	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1
Xylenes, Total	14	U	14	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/17/21 12:00	07/21/21 03:30	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/17/21 12:00	07/21/21 03:30	1
Dibromofluoromethane (Surr)	104		60 - 140	07/17/21 12:00	07/21/21 03:30	1
Toluene-d8 (Surr)	91		71 - 125	07/17/21 12:00	07/21/21 03:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
1,4-Dioxane	110	U	110	60	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,3,4,6-Tetrachlorophenol	190	U	190	38	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4,5-Trichlorophenol	190	U	190	50	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4,6-Trichlorophenol	190	U	190	37	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4-Dinitrophenol	1800	U	1800	850	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,4-Dinitrotoluene	190	U	190	38	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Chloronaphthalene	190	U	190	30	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Chlorophenol	360	U	360	34	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Methylnaphthalene	190	U	190	37	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Methylphenol	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Nitroaniline	360	U	360	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
2-Nitrophenol	190	U	190	52	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
3-Nitroaniline	360	U	360	51	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Bromophenyl phenyl ether	190	U	190	26	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Chloroaniline	190	U	190	46	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Methylphenol	360	U	360	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Nitroaniline	360	U	360	97	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
4-Nitrophenol	360	U	360	130	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Acenaphthene	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Acenaphthylene	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Acetophenone	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Anthracene	190	U	190	46	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Atrazine	190	U	190	64	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzo[a]pyrene	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzo[b]fluoranthene	190	U	190	29	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Biphenyl	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
bis (2-chloroisopropyl) ether	190	U	190	37	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Bis(2-chloroethoxy)methane	190	U	190	39	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Bis(2-ethylhexyl) phthalate	190	U	190	63	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Butyl benzyl phthalate	190	U	190	30	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Caprolactam	190	U	190	56	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Carbazole	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Chrysene	190	U	190	41	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Dibenzofuran	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Diethyl phthalate	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Fluoranthene	190	U	190	20	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Fluorene	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Hexachlorobenzene	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Hexachlorobutadiene	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Hexachloroethane	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Isophorone	190	U	190	39	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Naphthalene	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Nitrobenzene	190	U	190	21	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Pentachlorophenol	360	U	360	190	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Phenanthrene	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Phenol	190	U	190	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1
Pyrene	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	150	T J	ug/Kg	✱	2.30		07/20/21 08:40	07/23/21 21:12	1
Unknown	190	T J	ug/Kg	✱	3.28		07/20/21 08:40	07/23/21 21:12	1
Ethane, 1,1,2,2-tetrachloro-	230	T J N	ug/Kg	✱	4.43	79-34-5	07/20/21 08:40	07/23/21 21:12	1
9-Octadecenamide, (Z)-	560	T J N	ug/Kg	✱	12.71	301-02-0	07/20/21 08:40	07/23/21 21:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	07/20/21 08:40	07/23/21 21:12	1
2-Fluorobiphenyl (Surr)	94		60 - 120	07/20/21 08:40	07/23/21 21:12	1
2-Fluorophenol (Surr)	83		52 - 120	07/20/21 08:40	07/23/21 21:12	1
Nitrobenzene-d5 (Surr)	89		53 - 120	07/20/21 08:40	07/23/21 21:12	1
Phenol-d5 (Surr)	91		54 - 120	07/20/21 08:40	07/23/21 21:12	1
p-Terphenyl-d14 (Surr)	108		79 - 130	07/20/21 08:40	07/23/21 21:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.8	U	1.8	0.35	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
4,4'-DDE	1.8	U	1.8	0.38	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
4,4'-DDT	1.8	U	1.8	0.42	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Aldrin	1.8	U	1.8	0.45	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
alpha-BHC	1.8	U	1.8	0.33	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
beta-BHC	1.8	U	1.8	0.33	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
cis-Chlordane	1.8	U	1.8	0.90	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
delta-BHC	1.8	U	1.8	0.34	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Dieldrin	1.8	U	1.8	0.44	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Endosulfan I	1.8	U	1.8	0.35	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Endosulfan II	1.8	U	1.8	0.33	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Endosulfan sulfate	1.8	U	1.8	0.34	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Endrin	1.8	U	1.8	0.36	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1
Endrin aldehyde	1.8	U	1.8	0.46	ug/Kg	✱	07/19/21 07:53	07/20/21 15:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	1.8	U	1.8	0.45	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
gamma-BHC (Lindane)	1.8	U	1.8	0.33	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Heptachlor	1.8	U	1.8	0.39	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Heptachlor epoxide	1.8	U	1.8	0.47	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Methoxychlor	1.8	U	1.8	0.37	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
Toxaphene	18	U	18	11	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1
trans-Chlordane	1.8	U	1.8	0.58	ug/Kg	☼	07/19/21 07:53	07/20/21 15:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		45 - 120	07/19/21 07:53	07/20/21 15:51	1
DCB Decachlorobiphenyl	87		45 - 120	07/19/21 07:53	07/20/21 15:51	1
Tetrachloro-m-xylene	85		30 - 124	07/19/21 07:53	07/20/21 15:51	1
Tetrachloro-m-xylene	69		30 - 124	07/19/21 07:53	07/20/21 15:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1254	0.27	U	0.27	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1
PCB-1260	0.27	U	0.27	0.12	mg/Kg	☼	07/22/21 08:09	07/25/21 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	137		60 - 154	07/22/21 08:09	07/25/21 21:34	1
Tetrachloro-m-xylene	132		60 - 154	07/22/21 08:09	07/25/21 21:34	1
DCB Decachlorobiphenyl	123		65 - 174	07/22/21 08:09	07/25/21 21:34	1
DCB Decachlorobiphenyl	136		65 - 174	07/22/21 08:09	07/25/21 21:34	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	11	ug/Kg	☼	07/21/21 08:10	07/23/21 22:19	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	07/21/21 08:10	07/23/21 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129	07/21/21 08:10	07/23/21 22:19	1
2,4-Dichlorophenylacetic acid	73		28 - 129	07/21/21 08:10	07/23/21 22:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6180		10.8	4.7	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Antimony	16.2	U	16.2	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Arsenic	5.3		2.2	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Barium	20.2	^	0.54	0.12	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Beryllium	0.42		0.22	0.030	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Cadmium	0.22	U	0.22	0.032	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Calcium	154000		108	7.1	mg/Kg	☼	07/19/21 18:05	07/22/21 04:03	2
Chromium	7.3		0.54	0.22	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Cobalt	5.5		0.54	0.054	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Copper	11.6		2.2	0.45	mg/Kg	☼	07/19/21 18:05	07/22/21 04:03	2

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	9650		10.8	3.8	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Lead	14.9		1.1	0.26	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Magnesium	12500		21.6	1.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Manganese	386		0.22	0.035	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Nickel	12.1		5.4	0.25	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Potassium	3370	B	32.3	21.6	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Selenium	0.51	J	4.3	0.43	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Silver	0.65	U	0.65	0.22	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Sodium	137	J	151	14.0	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Thallium	6.5	U	6.5	0.32	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Vanadium	7.7		0.54	0.12	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1
Zinc	39.8		2.2	0.69	mg/Kg	☼	07/19/21 18:05	07/22/21 03:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0049	mg/Kg	☼	07/21/21 15:25	07/21/21 17:42	1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	8.5	U	8.5	0.62	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2,2-Tetrachloroethane	8.5	U	8.5	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	8.5	U	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1,2-Trichloroethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1-Dichloroethane	8.5	U	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,1-Dichloroethene	8.5	U	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2,4-Trichlorobenzene	8.5	U	8.5	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dibromo-3-Chloropropane	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dibromoethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichlorobenzene	8.5	U	8.5	0.67	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichloroethane	8.5	U	8.5	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,2-Dichloropropane	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,3-Dichlorobenzene	8.5	U	8.5	0.44	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
1,4-Dichlorobenzene	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
2-Butanone (MEK)	43	U	43	3.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
2-Hexanone	43	U	43	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
4-Methyl-2-pentanone (MIBK)	43	U	43	2.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Acetone	43	U	43	7.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Benzene	8.5	U	8.5	0.42	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromodichloromethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromoform	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Bromomethane	8.5	U	8.5	0.77	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Carbon disulfide	8.5	U	8.5	4.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Carbon tetrachloride	8.5	U	8.5	0.83	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chlorobenzene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chloroethane	8.5	U TH	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Chloroform	8.5	U	8.5	0.53	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	8.5	U	8.5	0.52	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
cis-1,2-Dichloroethene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
cis-1,3-Dichloropropene	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Cyclohexane	8.5	U	8.5	1.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Dibromochloromethane	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Dichlorodifluoromethane	8.5	U	8.5	0.70	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Ethylbenzene	8.5	U	8.5	0.59	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Isopropylbenzene	8.5	U	8.5	1.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methyl acetate	43	U	43	5.2	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methyl tert-butyl ether	8.5	U	8.5	0.84	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methylcyclohexane	8.5	U	8.5	1.3	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Methylene Chloride	8.5	U	8.5	3.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Styrene	8.5	U	8.5	0.43	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Tetrachloroethene	8.5	U	8.5	1.1	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Toluene	8.5	U	8.5	0.65	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
trans-1,2-Dichloroethene	8.5	U	8.5	0.88	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
trans-1,3-Dichloropropene	8.5	U	8.5	3.8	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Trichloroethene	8.5	U	8.5	1.9	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Trichlorofluoromethane	8.5	U	8.5	0.81	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Vinyl chloride	8.5	U TH	8.5	1.0	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1
Xylenes, Total	17	U	17	1.4	ug/Kg	☼	07/17/21 12:00	07/21/21 03:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/17/21 12:00	07/21/21 03:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/17/21 12:00	07/21/21 03:54	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/17/21 12:00	07/21/21 03:54	1
Dibromofluoromethane (Surr)	106		60 - 140	07/17/21 12:00	07/21/21 03:54	1
Toluene-d8 (Surr)	90		71 - 125	07/17/21 12:00	07/21/21 03:54	1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Chlorophenol	380	U	380	35	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
2-Nitroaniline	380	U	380	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
2-Nitrophenol	190	U	190	55	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
3-Nitroaniline	380	U	380	53	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Chloroaniline	190	U	190	48	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Methylphenol	380	U	380	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Acenaphthene	190	U	190	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Acenaphthylene	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Acetophenone	190	U	190	26	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Anthracene	190	U	190	48	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Atrazine	190	U	190	67	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Biphenyl	190	U	190	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Caprolactam	190	U	190	58	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Carbazole	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Chrysene	190	U	190	43	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Dibenzofuran	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Diethyl phthalate	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Dimethyl phthalate	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Fluoranthene	190	U	190	20	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Fluorene	190	U	190	23	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Hexachlorobenzene	190	U	190	26	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Hexachloroethane	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Isophorone	190	U	190	41	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Naphthalene	190	U	190	25	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1
Nitrobenzene	190	U	190	22	ug/Kg	✱	07/20/21 08:40	07/23/21 21:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Phenol	190	U	190	30	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1
Pyrene	190	U	190	23	ug/Kg	☼	07/20/21 08:40	07/23/21 21:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1400	T J	ug/Kg	☼	1.83		07/20/21 08:40	07/23/21 21:37	1
Unknown	230	T J	ug/Kg	☼	3.23		07/20/21 08:40	07/23/21 21:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	07/20/21 08:40	07/23/21 21:37	1
2-Fluorobiphenyl (Surr)	88		60 - 120	07/20/21 08:40	07/23/21 21:37	1
2-Fluorophenol (Surr)	79		52 - 120	07/20/21 08:40	07/23/21 21:37	1
Nitrobenzene-d5 (Surr)	84		53 - 120	07/20/21 08:40	07/23/21 21:37	1
Phenol-d5 (Surr)	85		54 - 120	07/20/21 08:40	07/23/21 21:37	1
p-Terphenyl-d14 (Surr)	99		79 - 130	07/20/21 08:40	07/23/21 21:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
beta-BHC	0.52	J B	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
delta-BHC	0.57	J	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endosulfan sulfate	0.43	J	1.9	0.35	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Endrin ketone	0.60	J	1.9	0.46	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
gamma-BHC (Lindane)	0.68	J	1.9	0.34	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	07/19/21 07:53	07/21/21 09:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	117		45 - 120	07/19/21 07:53	07/21/21 09:32	1
DCB Decachlorobiphenyl	107		45 - 120	07/19/21 07:53	07/21/21 09:32	1
Tetrachloro-m-xylene	95		30 - 124	07/19/21 07:53	07/21/21 09:32	1
Tetrachloro-m-xylene	85		30 - 124	07/19/21 07:53	07/21/21 09:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1221	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1232	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1242	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1248	0.25	U	0.25	0.048	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	✳	07/22/21 08:09	07/25/21 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	153		60 - 154	07/22/21 08:09	07/25/21 21:47	1
Tetrachloro-m-xylene	147		60 - 154	07/22/21 08:09	07/25/21 21:47	1
DCB Decachlorobiphenyl	135		65 - 174	07/22/21 08:09	07/25/21 21:47	1
DCB Decachlorobiphenyl	152		65 - 174	07/22/21 08:09	07/25/21 21:47	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	07/21/21 08:10	07/23/21 22:49	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✳	07/21/21 08:10	07/23/21 22:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		28 - 129	07/21/21 08:10	07/23/21 22:49	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 22:49	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6110		11.0	4.8	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Antimony	16.4	U	16.4	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Arsenic	3.5		2.2	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Barium	23.7	^	0.55	0.12	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Beryllium	0.29		0.22	0.031	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Cadmium	0.042	J	0.22	0.033	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Calcium	77600		54.8	3.6	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Chromium	7.6		0.55	0.22	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Cobalt	4.0		0.55	0.055	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Copper	8.1		1.1	0.23	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Iron	10100		11.0	3.8	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Lead	8.0		1.1	0.26	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Magnesium	9300		21.9	1.0	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Manganese	339		0.22	0.035	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Nickel	9.6		5.5	0.25	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Potassium	1950	B	32.9	21.9	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Selenium	4.4	U	4.4	0.44	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Silver	0.66	U	0.66	0.22	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Sodium	122	J	153	14.2	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Thallium	6.6	U	6.6	0.33	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Vanadium	12.2		0.55	0.12	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1
Zinc	18.4		2.2	0.70	mg/Kg	✳	07/19/21 18:05	07/22/21 04:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0053	mg/Kg	✳	07/21/21 15:25	07/21/21 17:44	1

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187365-1	B-21-19 (2-3) (07152021)	115	98	105	91
480-187365-3	B-21-05 (7-8) (07162021)	114	99	103	91
480-187365-6	B-21-25 (3-4) (07162021)	122	94	106	92
480-187365-7	B-21-25 (4-5) (07162021)	118	97	104	91
480-187365-9	B-21-02 (7-8) (07162021)	118	93	106	90
LCS 480-589792/1-A	Lab Control Sample	103	98	101	93
MB 480-589792/2-A	Method Blank	104	93	103	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187365-2	B-21-19 (8-9) (07162021)	81	78	69	71	76	88
480-187365-4	B-21-05 (3-4) (07162021)	95	82	71	75	80	105
480-187365-8	B-21-25 (9-10) (07162021)	98	94	83	89	91	108
480-187365-10	B-21-02 (2-3) 907162021)	88	88	79	84	85	99
LCS 480-589664/2-A	Lab Control Sample	101	95	77	87	78	93
MB 480-589664/1-A	Method Blank	83	80	72	75	80	90

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187365-2	B-21-19 (8-9) (07162021)	90	86	93	76
480-187365-4	B-21-05 (3-4) (07162021)	105	100	86	80
480-187365-8	B-21-25 (9-10) (07162021)	93	87	85	69
480-187365-10	B-21-02 (2-3) 907162021)	117	107	95	85
LCS 480-589493/2-A	Lab Control Sample	83	71	69	58
MB 480-589493/1-A	Method Blank	89	96	79	66

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187365-2	B-21-19 (8-9) (07162021)	133	129	118	128
480-187365-4	B-21-05 (3-4) (07162021)	129	131	122	127
480-187365-8	B-21-25 (9-10) (07162021)	137	132	123	136
480-187365-10	B-21-02 (2-3) 907162021)	153	147	135	152
LCS 480-590009/2-A	Lab Control Sample	132	129	122	129
MB 480-590009/1-A	Method Blank	126	125	114	122

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187365-2	B-21-19 (8-9) (07162021)	77	71
480-187365-4	B-21-05 (3-4) (07162021)	67	69
480-187365-8	B-21-25 (9-10) (07162021)	78	73
480-187365-10	B-21-02 (2-3) 907162021)	72	66
LCS 480-589824/2-A	Lab Control Sample	74	60
MB 480-589824/1-A	Method Blank	66	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-589792/2-A

Matrix: Solid

Analysis Batch: 589794

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 589792

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Acetone	25	U	25	4.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/20/21 17:38	07/20/21 21:20	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/20/21 17:38	07/20/21 21:20	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-589792/2-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589792

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>07/20/21 17:38</i>	<i>07/20/21 21:20</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>104</i>		<i>64 - 126</i>	<i>07/20/21 17:38</i>	<i>07/20/21 21:20</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>93</i>		<i>72 - 126</i>	<i>07/20/21 17:38</i>	<i>07/20/21 21:20</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>60 - 140</i>	<i>07/20/21 17:38</i>	<i>07/20/21 21:20</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>93</i>		<i>71 - 125</i>	<i>07/20/21 17:38</i>	<i>07/20/21 21:20</i>	<i>1</i>

Lab Sample ID: LCS 480-589792/1-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589792

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	54.9		ug/Kg		110	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	52.3		ug/Kg		105	60 - 140
1,1,2-Trichloroethane	50.0	51.2		ug/Kg		102	78 - 122
1,1-Dichloroethane	50.0	54.1		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	50.7		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	43.5		ug/Kg		87	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	52.6		ug/Kg		105	63 - 124
1,2-Dibromoethane	50.0	49.6		ug/Kg		99	78 - 120
1,2-Dichlorobenzene	50.0	48.4		ug/Kg		97	75 - 120
1,2-Dichloroethane	50.0	55.7		ug/Kg		111	77 - 122
1,2-Dichloropropane	50.0	53.8		ug/Kg		108	75 - 124
1,3-Dichlorobenzene	50.0	49.5		ug/Kg		99	74 - 120
1,4-Dichlorobenzene	50.0	49.6		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	284		ug/Kg		114	70 - 134
2-Hexanone	250	286		ug/Kg		114	59 - 130
4-Methyl-2-pentanone (MIBK)	250	267		ug/Kg		107	65 - 133
Acetone	250	276		ug/Kg		110	61 - 137
Benzene	50.0	53.9		ug/Kg		108	79 - 127
Bromodichloromethane	50.0	58.7		ug/Kg		117	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	62.0		ug/Kg		124	37 - 149
Carbon disulfide	50.0	49.2		ug/Kg		98	64 - 131
Carbon tetrachloride	50.0	58.4		ug/Kg		117	75 - 135
Chlorobenzene	50.0	49.0		ug/Kg		98	76 - 124
Chloroethane	50.0	71.7	TH	ug/Kg		143	69 - 135
Chloroform	50.0	55.2		ug/Kg		110	80 - 120
Chloromethane	50.0	62.5		ug/Kg		125	63 - 127
cis-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	81 - 120
cis-1,3-Dichloropropene	50.0	54.9		ug/Kg		110	80 - 120
Cyclohexane	50.0	46.9		ug/Kg		94	65 - 120
Dibromochloromethane	50.0	55.9		ug/Kg		112	76 - 125
Dichlorodifluoromethane	50.0	36.2		ug/Kg		72	57 - 142
Ethylbenzene	50.0	50.6		ug/Kg		101	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-589792/1-A
Matrix: Solid
Analysis Batch: 589794

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589792

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.1		ug/Kg		96	72 - 120
Methyl acetate	100	107		ug/Kg		107	55 - 136
Methyl tert-butyl ether	50.0	52.0		ug/Kg		104	63 - 125
Methylcyclohexane	50.0	49.5		ug/Kg		99	60 - 140
Methylene Chloride	50.0	56.1		ug/Kg		112	61 - 127
Styrene	50.0	49.3		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	47.8		ug/Kg		96	74 - 122
Toluene	50.0	49.5		ug/Kg		99	74 - 128
trans-1,2-Dichloroethene	50.0	54.0		ug/Kg		108	78 - 126
Trichloroethene	50.0	52.0		ug/Kg		104	77 - 129
Trichlorofluoromethane	50.0	56.6		ug/Kg		113	65 - 146
Vinyl chloride	50.0	67.1	TH	ug/Kg		134	61 - 133
Xylenes, Total	100	98.4		ug/Kg		98	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	103		64 - 126
4-Bromofluorobenzene (Surr)	98		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	93		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-589664/1-A
Matrix: Solid
Analysis Batch: 590204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589664

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
1,4-Dioxane	99	U	99	55	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrophenol	1600	U	1600	780	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Methylphenol	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589664/1-A
Matrix: Solid
Analysis Batch: 590204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589664

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Methylphenol	330	U	330	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitroaniline	330	U	330	88	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acenaphthylene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Acetophenone	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Anthracene	170	U	170	42	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Atrazine	170	U	170	59	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzaldehyde	170	U	170	130	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Biphenyl	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Caprolactam	170	U	170	51	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Carbazole	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Chrysene	170	U	170	38	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dibenzofuran	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluoranthene	170	U	170	18	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Fluorene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Hexachloroethane	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Isophorone	170	U	170	36	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Naphthalene	170	U	170	22	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene	170	U	170	19	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenanthrene	170	U	170	25	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Phenol	170	U	170	26	ug/Kg		07/20/21 08:40	07/23/21 11:49	1
Pyrene	170	U	170	20	ug/Kg		07/20/21 08:40	07/23/21 11:49	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-589664/1-A
Matrix: Solid
Analysis Batch: 590204

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589664

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	3930	T J	ug/Kg		1.87		07/20/21 08:40	07/23/21 11:49	1
Unknown	496	T J	ug/Kg		3.24		07/20/21 08:40	07/23/21 11:49	1
Benzene, 1,3-dimethyl-	144	T J N	ug/Kg		3.74	108-38-3	07/20/21 08:40	07/23/21 11:49	1
Column Bleed	234	T J	ug/Kg		6.58		07/20/21 08:40	07/23/21 11:49	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	83		54 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorobiphenyl (Surr)	80		60 - 120	07/20/21 08:40	07/23/21 11:49	1
2-Fluorophenol (Surr)	72		52 - 120	07/20/21 08:40	07/23/21 11:49	1
Nitrobenzene-d5 (Surr)	75		53 - 120	07/20/21 08:40	07/23/21 11:49	1
Phenol-d5 (Surr)	80		54 - 120	07/20/21 08:40	07/23/21 11:49	1
p-Terphenyl-d14 (Surr)	90		79 - 130	07/20/21 08:40	07/23/21 11:49	1

Lab Sample ID: LCS 480-589664/2-A
Matrix: Solid
Analysis Batch: 590035

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1630	857		ug/Kg		53	23 - 120
2,3,4,6-Tetrachlorophenol	1630	1430		ug/Kg		88	64 - 120
2,4,5-Trichlorophenol	1630	1510		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1630	1470		ug/Kg		91	59 - 123
2,4-Dichlorophenol	1630	1410		ug/Kg		87	61 - 120
2,4-Dimethylphenol	1630	1390		ug/Kg		86	59 - 120
2,4-Dinitrophenol	3250	1610		ug/Kg		50	41 - 146
2,4-Dinitrotoluene	1630	1460		ug/Kg		90	63 - 120
2,6-Dinitrotoluene	1630	1490		ug/Kg		91	66 - 120
2-Chloronaphthalene	1630	1520		ug/Kg		93	57 - 120
2-Chlorophenol	1630	1270		ug/Kg		78	53 - 120
2-Methylnaphthalene	1630	1390		ug/Kg		86	59 - 120
2-Methylphenol	1630	1340		ug/Kg		82	54 - 120
2-Nitroaniline	1630	1510		ug/Kg		93	61 - 120
2-Nitrophenol	1630	1460		ug/Kg		90	56 - 120
3,3'-Dichlorobenzidine	3250	3430		ug/Kg		106	54 - 120
3-Nitroaniline	1630	1330		ug/Kg		82	48 - 120
4,6-Dinitro-2-methylphenol	3250	2620		ug/Kg		80	49 - 122
4-Bromophenyl phenyl ether	1630	1770		ug/Kg		109	58 - 120
4-Chloro-3-methylphenol	1630	1410		ug/Kg		87	61 - 120
4-Chloroaniline	1630	1140		ug/Kg		70	38 - 120
4-Chlorophenyl phenyl ether	1630	1570		ug/Kg		97	63 - 124
4-Methylphenol	1630	1330		ug/Kg		82	55 - 120
4-Nitroaniline	1630	1330		ug/Kg		82	56 - 120
4-Nitrophenol	3250	2810		ug/Kg		86	43 - 147
Acenaphthene	1630	1530		ug/Kg		94	62 - 120
Acenaphthylene	1630	1570		ug/Kg		97	58 - 121
Acetophenone	1630	1360		ug/Kg		84	54 - 120
Anthracene	1630	1740		ug/Kg		107	62 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-589664/2-A

Matrix: Solid

Analysis Batch: 590035

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 589664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	3250	2760		ug/Kg		85	60 - 127
Benzaldehyde	3250	2510		ug/Kg		77	10 - 150
Benzo[a]anthracene	1630	1760		ug/Kg		108	65 - 120
Benzo[a]pyrene	1630	1650		ug/Kg		101	64 - 120
Benzo[b]fluoranthene	1630	1670		ug/Kg		103	64 - 120
Benzo[g,h,i]perylene	1630	1770		ug/Kg		109	45 - 145
Benzo[k]fluoranthene	1630	1620		ug/Kg		100	65 - 120
Biphenyl	1630	1570		ug/Kg		96	59 - 120
bis (2-chloroisopropyl) ether	1630	1310		ug/Kg		80	44 - 120
Bis(2-chloroethoxy)methane	1630	1440		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1630	1310		ug/Kg		81	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1470		ug/Kg		90	61 - 133
Butyl benzyl phthalate	1630	1590		ug/Kg		98	61 - 129
Caprolactam	3250	2850		ug/Kg		88	47 - 120
Carbazole	1630	1680		ug/Kg		103	65 - 120
Chrysene	1630	1730		ug/Kg		107	64 - 120
Dibenz(a,h)anthracene	1630	1910		ug/Kg		117	54 - 132
Dibenzofuran	1630	1570		ug/Kg		96	63 - 120
Diethyl phthalate	1630	1560		ug/Kg		96	66 - 120
Dimethyl phthalate	1630	1580		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1630	1660		ug/Kg		102	58 - 130
Di-n-octyl phthalate	1630	1570		ug/Kg		96	57 - 133
Fluoranthene	1630	1630		ug/Kg		100	62 - 120
Fluorene	1630	1530		ug/Kg		94	63 - 120
Hexachlorobenzene	1630	1780		ug/Kg		110	60 - 120
Hexachlorobutadiene	1630	1420		ug/Kg		87	45 - 120
Hexachlorocyclopentadiene	1630	790		ug/Kg		49	47 - 120
Hexachloroethane	1630	1230		ug/Kg		76	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1800		ug/Kg		111	56 - 134
Isophorone	1630	1520		ug/Kg		93	56 - 120
Naphthalene	1630	1420		ug/Kg		88	55 - 120
Nitrobenzene	1630	1430		ug/Kg		88	54 - 120
N-Nitrosodi-n-propylamine	1630	1410		ug/Kg		87	52 - 120
N-Nitrosodiphenylamine	1630	1750		ug/Kg		108	51 - 128
Pentachlorophenol	3250	3240		ug/Kg		100	51 - 120
Phenanthrene	1630	1770		ug/Kg		109	60 - 120
Phenol	1630	1210		ug/Kg		74	53 - 120
Pyrene	1630	1610		ug/Kg		99	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl (Surr)	95		60 - 120
2-Fluorophenol (Surr)	77		52 - 120
Nitrobenzene-d5 (Surr)	87		53 - 120
Phenol-d5 (Surr)	78		54 - 120
p-Terphenyl-d14 (Surr)	93		79 - 130

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-589493/1-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589493

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
beta-BHC	0.770	J	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
cis-Chlordane	1.7	U	1.7	0.82	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin	1.7	U	1.7	0.33	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
gamma-BHC (Lindane)	1.7	U	1.7	0.30	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
Toxaphene	17	U	17	9.6	ug/Kg		07/19/21 07:53	07/20/21 09:39	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		07/19/21 07:53	07/20/21 09:39	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	89		45 - 120	07/19/21 07:53	07/20/21 09:39	1
DCB Decachlorobiphenyl	96		45 - 120	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	79		30 - 124	07/19/21 07:53	07/20/21 09:39	1
Tetrachloro-m-xylene	66		30 - 124	07/19/21 07:53	07/20/21 09:39	1

Lab Sample ID: LCS 480-589493/2-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589493

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.3	15.5		ug/Kg		95	56 - 120
4,4'-DDE	16.3	13.4		ug/Kg		82	44 - 120
4,4'-DDT	16.3	14.2		ug/Kg		87	38 - 120
Aldrin	16.3	9.64		ug/Kg		59	38 - 120
alpha-BHC	16.3	9.12		ug/Kg		56	39 - 120
beta-BHC	16.3	10.4		ug/Kg		64	40 - 120
cis-Chlordane	16.3	11.6		ug/Kg		71	47 - 120
delta-BHC	16.3	9.24		ug/Kg		57	45 - 120
Dieldrin	16.3	14.6		ug/Kg		90	58 - 120
Endosulfan I	16.3	11.1		ug/Kg		68	49 - 120
Endosulfan II	16.3	13.1		ug/Kg		81	55 - 120
Endosulfan sulfate	16.3	9.98		ug/Kg		61	49 - 124
Endrin	16.3	14.8		ug/Kg		91	58 - 120
Endrin aldehyde	16.3	12.0		ug/Kg		74	37 - 121
Endrin ketone	16.3	13.5		ug/Kg		83	46 - 123

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-589493/2-A
Matrix: Solid
Analysis Batch: 589639

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589493

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.3	9.91		ug/Kg		61	50 - 120
Heptachlor	16.3	10.2		ug/Kg		63	50 - 120
Heptachlor epoxide	16.3	10.4		ug/Kg		64	50 - 120
Methoxychlor	16.3	19.4		ug/Kg		120	58 - 133
trans-Chlordane	16.3	12.2		ug/Kg		75	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	83		45 - 120
DCB Decachlorobiphenyl	71		45 - 120
Tetrachloro-m-xylene	69		30 - 124
Tetrachloro-m-xylene	58		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590009/1-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590009

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1248	0.23	U	0.23	0.044	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/22/21 08:09	07/25/21 17:56	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	126		60 - 154	07/22/21 08:09	07/25/21 17:56	1
Tetrachloro-m-xylene	125		60 - 154	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	114		65 - 174	07/22/21 08:09	07/25/21 17:56	1
DCB Decachlorobiphenyl	122		65 - 174	07/22/21 08:09	07/25/21 17:56	1

Lab Sample ID: LCS 480-590009/2-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590009

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.23	2.75		mg/Kg		123	51 - 185
PCB-1260	2.23	2.66		mg/Kg		119	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	132		60 - 154
Tetrachloro-m-xylene	129		60 - 154
DCB Decachlorobiphenyl	122		65 - 174
DCB Decachlorobiphenyl	129		65 - 174

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-589824/1-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589824

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	16	U	16	10	ug/Kg		07/21/21 08:10	07/23/21 12:54	1
Silvex (2,4,5-TP)	16	U	16	5.8	ug/Kg		07/21/21 08:10	07/23/21 12:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/21/21 08:10	07/23/21 12:54	1

Lab Sample ID: LCS 480-589824/2-A
Matrix: Solid
Analysis Batch: 590214

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589824

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	65.6	45.1		ug/Kg		69	40 - 120
Silvex (2,4,5-TP)	65.6	45.3		ug/Kg		69	39 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	74		28 - 129
2,4-Dichlorophenylacetic acid	60		28 - 129

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-589553/1-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589553

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	4.83	J	10.1	4.4	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Antimony	15.1	U	15.1	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Arsenic	2.0	U	2.0	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Barium	0.135	J ^	0.50	0.11	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Calcium	50.4	U	50.4	3.3	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Cobalt	0.50	U	0.50	0.050	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Copper	0.212	J	1.0	0.21	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Lead	1.0	U	1.0	0.24	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Nickel	5.0	U	5.0	0.23	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Selenium	4.0	U	4.0	0.40	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Silver	0.60	U	0.60	0.20	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Sodium	141	U	141	13.1	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Thallium	6.0	U	6.0	0.30	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Vanadium	0.50	U	0.50	0.11	mg/Kg		07/19/21 18:05	07/20/21 23:41	1
Zinc	2.0	U	2.0	0.64	mg/Kg		07/19/21 18:05	07/20/21 23:41	1

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-589553/1-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589553

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Chromium	0.50	U	0.50	0.20	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Iron	10.1	U	10.1	3.5	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Magnesium	20.1	U	20.1	0.93	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Manganese	0.20	U	0.20	0.032	mg/Kg		07/19/21 18:05	07/22/21 02:34	1
Potassium	27.14	J	30.2	20.1	mg/Kg		07/19/21 18:05	07/22/21 02:34	1

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	110	83.43		mg/Kg		75.8	22.2 - 254.5	6	20
Arsenic	162	135.8		mg/Kg		83.8	70.4 - 130.2	1	20
Barium	138	128.5	^	mg/Kg		93.1	74.6 - 124.6	7	20
Beryllium	157	152.7		mg/Kg		97.3	75.2 - 125.5	11	20
Cadmium	135	135.1		mg/Kg		100.1	74.8 - 124.4	13	20
Calcium	4790	4110		mg/Kg		85.8	72.7 - 127.3	4	20
Cobalt	92.6	97.87		mg/Kg		105.7	75.1 - 125.3	7	20
Copper	143	122.4		mg/Kg		85.6	74.8 - 124.5	6	20
Lead	77.6	71.91		mg/Kg		92.7	68.8 - 131.4	2	20
Nickel	79.9	86.25		mg/Kg		107.9	70.0 - 130.2	7	20
Selenium	172	156.6		mg/Kg		91.0	68.0 - 132.6	5	20
Silver	24.7	20.03		mg/Kg		81.1	67.2 - 133.2	1	20
Sodium	137	141.1	J	mg/Kg		103.0	35.8 - 164.2	2	20
Thallium	88.0	96.73		mg/Kg		109.9	66.0 - 134.1	10	20
Vanadium	99.9	85.53		mg/Kg		85.6	67.4 - 132.1	2	20
Zinc	312	272.9		mg/Kg		87.5	69.9 - 129.8	2	20

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCDSRM 480-589553/3-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Iron	15100	11570		mg/Kg		76.6	37.2 - 162.9	1	20
Magnesium	2320	2144		mg/Kg		92.4	62.1 - 137.9	4	20
Manganese	319	306.2		mg/Kg		96.0	74.9 - 125.1	3	20
Potassium	2050	1953		mg/Kg		95.3	59.5 - 141.0	4	20

Lab Sample ID: LCSSRM 480-589553/2-A
Matrix: Solid
Analysis Batch: 589882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	8190	8146		mg/Kg		99.5	50.1 - 150.2		
Antimony	110	78.80		mg/Kg		71.6	22.2 - 254.5		
Arsenic	162	134.6		mg/Kg		83.1	70.4 - 130.2		
Barium	138	138.3 ^		mg/Kg		100.2	74.6 - 124.6		
Beryllium	157	136.4		mg/Kg		86.9	75.2 - 125.5		
Cadmium	135	118.3		mg/Kg		87.7	74.8 - 124.4		
Calcium	4790	3963		mg/Kg		82.7	72.7 - 127.3		
Cobalt	92.6	91.23		mg/Kg		98.5	75.1 - 125.3		
Copper	143	115.7		mg/Kg		80.9	74.8 - 124.5		
Lead	77.6	70.81		mg/Kg		91.2	68.8 - 131.4		
Nickel	79.9	80.61		mg/Kg		100.9	70.0 - 130.2		
Selenium	172	148.7		mg/Kg		86.5	68.0 - 132.6		
Silver	24.7	20.23		mg/Kg		81.9	67.2 - 133.2		
Sodium	137	139.0 J		mg/Kg		101.4	35.8 - 164.2		
Thallium	88.0	87.68		mg/Kg		99.6	66.0 - 134.1		
Vanadium	99.9	83.51		mg/Kg		83.6	67.4 - 132.1		
Zinc	312	266.5		mg/Kg		85.4	69.9 - 129.8		

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-589553/2-A
Matrix: Solid
Analysis Batch: 590048

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589553

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits	%Rec. Limits
Chromium	117	107.0		mg/Kg		91.5	70.1 - 129.9	
Iron	15100	11670		mg/Kg		77.3	37.2 - 162.9	
Magnesium	2320	2228		mg/Kg		96.0	62.1 - 137.9	
Manganese	319	297.9		mg/Kg		93.4	74.9 - 125.1	
Potassium	2050	2033		mg/Kg		99.2	59.5 - 141.0	

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-589784/1-A
Matrix: Solid
Analysis Batch: 589985

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589784

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.018	U	0.018	0.0040	mg/Kg		07/21/21 15:25	07/21/21 17:32	1

Lab Sample ID: LCDSRM 480-589784/22-A ^10
Matrix: Solid
Analysis Batch: 589985

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 589784

Analyte	Spike Added	LCDSRM Result	LCDSRM Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	27.2	21.02		mg/Kg		77.3	59.9 - 140.1	4	20

Lab Sample ID: LCSSRM 480-589784/2-A ^10
Matrix: Solid
Analysis Batch: 589985

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589784

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits	%Rec. Limits
Mercury	27.2	21.93		mg/Kg		80.6	59.9 - 140.1	

Lab Sample ID: 480-187365-2 MS
Matrix: Solid
Analysis Batch: 589985

Client Sample ID: B-21-19 (8-9) (07162021)
Prep Type: Total/NA
Prep Batch: 589784

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits	%Rec. Limits
Mercury	0.010	J	0.423	0.435		mg/Kg	☼	100	80 - 120	

Lab Sample ID: 480-187365-2 MSD
Matrix: Solid
Analysis Batch: 589985

Client Sample ID: B-21-19 (8-9) (07162021)
Prep Type: Total/NA
Prep Batch: 589784

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Mercury	0.010	J	0.423	0.433		mg/Kg	☼	100	80 - 120	1	20

Euromins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

GC/MS VOA

Prep Batch: 589792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	5035A_L	
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	5035A_L	
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	5035A_L	
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	5035A_L	
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	5035A_L	
MB 480-589792/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 589794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	8260C	589792
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	8260C	589792
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	8260C	589792
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	8260C	589792
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	8260C	589792
MB 480-589792/2-A	Method Blank	Total/NA	Solid	8260C	589792
LCS 480-589792/1-A	Lab Control Sample	Total/NA	Solid	8260C	589792

GC/MS Semi VOA

Prep Batch: 589664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-589664/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590035

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-589664/2-A	Lab Control Sample	Total/NA	Solid	8270D	589664

Analysis Batch: 590204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8270D	589664
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8270D	589664
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8270D	589664
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8270D	589664
MB 480-589664/1-A	Method Blank	Total/NA	Solid	8270D	589664

GC Semi VOA

Prep Batch: 589493

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-589493/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

GC Semi VOA

Analysis Batch: 589639

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8081B	589493
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8081B	589493
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8081B	589493
MB 480-589493/1-A	Method Blank	Total/NA	Solid	8081B	589493
LCS 480-589493/2-A	Lab Control Sample	Total/NA	Solid	8081B	589493

Prep Batch: 589824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8151A	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8151A	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8151A	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8151A	
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 589833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8081B	589493

Prep Batch: 590009

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3550C	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3550C	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3550C	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3550C	
MB 480-590009/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8151A	589824
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8151A	589824
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8151A	589824
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8151A	589824
MB 480-589824/1-A	Method Blank	Total/NA	Solid	8151A	589824
LCS 480-589824/2-A	Lab Control Sample	Total/NA	Solid	8151A	589824

Analysis Batch: 590345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	8082A	590009
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	8082A	590009
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	8082A	590009
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	8082A	590009
MB 480-590009/1-A	Method Blank	Total/NA	Solid	8082A	590009
LCS 480-590009/2-A	Lab Control Sample	Total/NA	Solid	8082A	590009

Metals

Prep Batch: 589553

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	3050B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Metals (Continued)

Prep Batch: 589553 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	3050B	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	3050B	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	3050B	
MB 480-589553/1-A	Method Blank	Total/NA	Solid	3050B	
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 589784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	7471B	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	7471B	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	7471B	
MB 480-589784/1-A	Method Blank	Total/NA	Solid	7471B	
LCDSRM 480-589784/22-A ^	Lab Control Sample Dup	Total/NA	Solid	7471B	
LCSSRM 480-589784/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-187365-2 MS	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	
480-187365-2 MSD	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	

Analysis Batch: 589882

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-589553/1-A	Method Blank	Total/NA	Solid	6010C	589553
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	589553
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	6010C	589553

Analysis Batch: 589985

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	7471B	589784
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	7471B	589784
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	7471B	589784
MB 480-589784/1-A	Method Blank	Total/NA	Solid	7471B	589784
LCDSRM 480-589784/22-A ^	Lab Control Sample Dup	Total/NA	Solid	7471B	589784
LCSSRM 480-589784/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	589784
480-187365-2 MS	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784
480-187365-2 MSD	B-21-19 (8-9) (07162021)	Total/NA	Solid	7471B	589784

Analysis Batch: 590048

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	6010C	589553
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	6010C	589553
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	6010C	589553
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	6010C	589553
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	6010C	589553
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	6010C	589553
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	6010C	589553
MB 480-589553/1-A	Method Blank	Total/NA	Solid	6010C	589553
LCDSRM 480-589553/3-A	Lab Control Sample Dup	Total/NA	Solid	6010C	589553
LCSSRM 480-589553/2-A	Lab Control Sample	Total/NA	Solid	6010C	589553

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

General Chemistry

Analysis Batch: 589477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187365-1	B-21-19 (2-3) (07152021)	Total/NA	Solid	Moisture	
480-187365-2	B-21-19 (8-9) (07162021)	Total/NA	Solid	Moisture	
480-187365-3	B-21-05 (7-8) (07162021)	Total/NA	Solid	Moisture	
480-187365-4	B-21-05 (3-4) (07162021)	Total/NA	Solid	Moisture	
480-187365-5	B-21-05 (9-10) (07162021)	Total/NA	Solid	Moisture	
480-187365-6	B-21-25 (3-4) (07162021)	Total/NA	Solid	Moisture	
480-187365-7	B-21-25 (4-5) (07162021)	Total/NA	Solid	Moisture	
480-187365-8	B-21-25 (9-10) (07162021)	Total/NA	Solid	Moisture	
480-187365-9	B-21-02 (7-8) (07162021)	Total/NA	Solid	Moisture	
480-187365-10	B-21-02 (2-3) 907162021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-19 (2-3) (07152021)

Lab Sample ID: 480-187365-1

Date Collected: 07/16/21 07:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 02:16	CDC	TAL BUF

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-19 (8-9) (07162021)

Lab Sample ID: 480-187365-2

Date Collected: 07/16/21 08:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 20:24	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:12	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 20:42	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 21:20	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:33	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 03:48	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:36	BMB	TAL BUF

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-05 (7-8) (07162021)

Lab Sample ID: 480-187365-3

Date Collected: 07/16/21 09:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 02:41	CDC	TAL BUF

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-05 (3-4) (07162021)

Lab Sample ID: 480-187365-4

Date Collected: 07/16/21 09:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 20:48	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:32	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:21	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 21:50	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:51	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 03:55	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:41	BMB	TAL BUF

Client Sample ID: B-21-05 (9-10) (07162021)

Lab Sample ID: 480-187365-5

Date Collected: 07/16/21 09:30

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-25 (3-4) (07162021)

Lab Sample ID: 480-187365-6

Date Collected: 07/16/21 10:45

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:05	CDC	TAL BUF

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (4-5) (07162021)

Lab Sample ID: 480-187365-7

Date Collected: 07/16/21 11:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:30	CDC	TAL BUF

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-25 (9-10) (07162021)

Lab Sample ID: 480-187365-8

Date Collected: 07/16/21 11:15

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 21:12	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589639	07/20/21 15:51	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:34	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 22:19	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 03:59	AMH	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590048	07/22/21 04:03	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:42	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-02 (7-8) (07162021)

Lab Sample ID: 480-187365-9

Date Collected: 07/16/21 12:10

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			589792	07/17/21 12:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	589794	07/21/21 03:54	CDC	TAL BUF

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589477	07/17/21 17:13	CLA	TAL BUF

Client Sample ID: B-21-02 (2-3) 907162021)

Lab Sample ID: 480-187365-10

Date Collected: 07/16/21 12:00

Matrix: Solid

Date Received: 07/17/21 08:00

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			589664	07/20/21 08:40	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590204	07/23/21 21:37	JMM	TAL BUF
Total/NA	Prep	3550C			589493	07/19/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	589833	07/21/21 09:32	JLS	TAL BUF
Total/NA	Prep	3550C			590009	07/22/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 21:47	NC	TAL BUF
Total/NA	Prep	8151A			589824	07/21/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8151A		1	590214	07/23/21 22:49	JLS	TAL BUF
Total/NA	Prep	3050B			589553	07/19/21 18:05	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590048	07/22/21 04:06	AMH	TAL BUF
Total/NA	Prep	7471B			589784	07/21/21 15:25	BMB	TAL BUF
Total/NA	Analysis	7471B		1	589985	07/21/21 17:44	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187365-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187365-1	B-21-19 (2-3) (07152021)	Solid	07/16/21 07:45	07/17/21 08:00
480-187365-2	B-21-19 (8-9) (07162021)	Solid	07/16/21 08:00	07/17/21 08:00
480-187365-3	B-21-05 (7-8) (07162021)	Solid	07/16/21 09:00	07/17/21 08:00
480-187365-4	B-21-05 (3-4) (07162021)	Solid	07/16/21 09:15	07/17/21 08:00
480-187365-5	B-21-05 (9-10) (07162021)	Solid	07/16/21 09:30	07/17/21 08:00
480-187365-6	B-21-25 (3-4) (07162021)	Solid	07/16/21 10:45	07/17/21 08:00
480-187365-7	B-21-25 (4-5) (07162021)	Solid	07/16/21 11:00	07/17/21 08:00
480-187365-8	B-21-25 (9-10) (07162021)	Solid	07/16/21 11:15	07/17/21 08:00
480-187365-9	B-21-02 (7-8) (07162021)	Solid	07/16/21 12:10	07/17/21 08:00
480-187365-10	B-21-02 (2-3) 907162021)	Solid	07/16/21 12:00	07/17/21 08:00

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Chain of Custody Record

Syracuse

By Eram Sy... PE

Client Information
 Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: Li-Cycle: Lidestrf-Ridgeway Property
 Site: S50W#

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Lab No.: 480-162431-35686.1
Page: Page 1 of 4
Job #: #225

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Yes No
PO #:
Purchase Order Requested:
WO #:
Project #: 48023985
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 747B	8081B, 8082A, 8151A, 8270D	PFC, IDA - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	Total Number	Special Instructions/Note:
B-21-19 (2-3) (07162021)	7/16/2021	0745	G	Solid	X	X					4	
B-21-19 (8-9) (07162021)		0800		Solid	N		X				3	
B-21-05 (7-8) (07162021)		0900		Solid	N	X					4	
B-21-05 (3-4) (07162021)		0915		Solid	N		X				3	
B-21-05 (9-10) (07162021)		0930		Solid	N			X			2	
B-21-25 (3-4) (07162021)		1045		Solid	N	X					4	
B-21-25 (4-5) (07162021)		1100		Solid	N		X				4	
B-21-25 (4-10) (07162021)		1115		Solid	N			X			3	
B-21-02 (7-8) (07162021)		1210		Solid	N	X					4	
B-21-02 (2-3) (07162021)		1200		Solid	N		X				3	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: **ASP Cat. B deliverables**

Empty Kit Relinquished by: _____ Date: _____
Relinquished by: *[Signature]* Date: 7-16-21, 14:59 Company: *[Signature]*
Relinquished by: *[Signature]* Date: 7-16-21, 1900 Company: *[Signature]*
Relinquished by: _____ Date: _____ Company: _____
Custody Seals Intact: Yes No
Custody Seal No.: _____
Received by: *[Signature]* Date: 7/16/21, 14:59 Company: *[Signature]*
Received by: *[Signature]* Date: 7/16/21, 800 Company: *[Signature]*
Cooler Temperature(s) °C and Other Remarks: 3.2 #1

SHORT HOLD



Chain of Custody Record

Client Contact: *Mr. Robert Sents*

Syracuse

Lab P/N: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 C-225
 Job #:

Due Date Requested:
 TAT Requested (days): **Standard**
 Compliance Project: Yes No
 PO #: Purchase Order Requested
 Project #: 48023985
 SOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Volatile, Semi-Volatile, On-water)	Field Filtered Sample (Yes/No)	8260C - TCL VOCs + 10 TICs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	PFC, IDA - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	Total Number of Containers	Special Instructions/Note:
B-21-19 (2-3)(07162021)	7/16/2021	0745	G	Solid	X	N	N	N	N	N	4	
B-21-19 (8-9)(07162021)		0800		Solid	N	N	X	X			3	
B-21-05 (7-8)(07162021)		0900		Solid	N	N	X	X			4	
B-21-05 (3-4)(07162021)		0915		Solid	N	N	X	X			5	
B-21-05 (9-10)(07162021)		0930		Solid	N	N					2	
B-21-25 (3-4)(07162021)		1045		Solid	N	N	X	X			4	
B-21-25 (4-5)(07162021)		1100		Solid	N	N	X	X			4	
B-21-25 (4-10)(07162021)		1115		Solid	N	N	X	X			3	
B-21-02 (7-8)(07162021)		1210		Solid	N	N	X	X			4	
B-21-02 (2-3)(07162021)		1200		Solid	N	N	X	X			3	



Possible Hazard Identification: Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) **IV**
 Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: *[Signature]* Date: 7-16-21, 14:19 Company: *[Signature]*
 Relinquished by: *[Signature]* Date: 7-16-21, 1900 Company: *[Signature]*
 Relinquished by: _____ Date: _____ Company: _____
 Custody Seals Intact: Yes No
 Cooler Temperature(s) °C and Other Remarks:

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 16JUL21
ACTWGT: 7.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

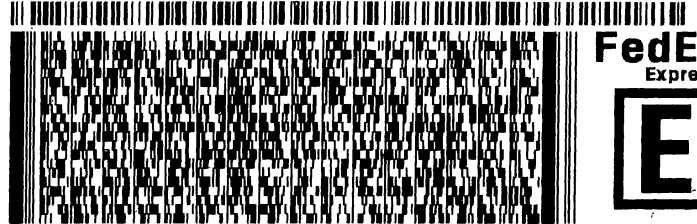
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 880-1990

REF: ERM PFAS 1COOLER



FedEx
Express

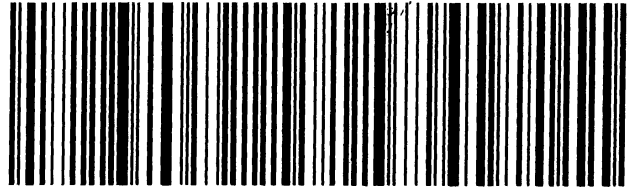


TRK# 9735 8147 0417
0201

SATURDAY 12:00P
PRIORITY OVERNIGHT

XO BTVA

05403
VT-US **BTV**



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Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187365-1

Login Number: 187365

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	FROZEN @ 1200
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187476-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:

8/3/2021 4:39:49 PM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II

(716)504-9838

John.Schove@Eurofinset.com

LINKS

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results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
HT	Exceeds Holding time

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
E	Result exceeded calibration range.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovey is outside acceptable limits biased High.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Job ID: 480-187476-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187476-1

Comments

No additional comments.

Receipt

The samples were received on 7/21/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.2° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-590634 recovered above the upper control limit for 2-Hexanone, Dibromochloromethane, Chloroethane, Chloromethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-06 (4-5)(07192021) (480-187476-3), B-21-09 (4-5)(07192021) (480-187476-5) and B-21-03 (0-1)(07192021) (480-187476-6).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-590632 and analytical batch 480-590634 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-06 (4-5) (07192021) (480-187476-3), B-21-09 (4-5)(07192021) (480-187476-5) and B-21-03 (0-1)(07192021) (480-187476-6).

Method 8260C: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time. The sample was preserved via freezing on 07/21/2021 at 10:00: B-21-06 (4-5)(07192021) (480-187476-3). This is outside the 48 hour time frame required by the method.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The Method Blank for preparation batch 480-590019 and analytical batch 480-590244 recovered above the upper control limit for surrogates 2,4,6-Tribromophenol (Surr) and p-Terphenyl-d14 (Surr). The MB was non-detect for all target analytes. Therefore, the data has been reported. The following samples are impacted: B-21-06 (3-4)(07192021) (480-187476-2), B-21-09 (2-3)(07192021) (480-187476-4) and B-21-03 (7-8)(07192021) (480-187476-7).

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-590019 and analytical batch 480-590244 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: (480-187476-A-2-A MS). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-590345 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: B-21-06 (3-4)(07192021) (480-187476-2).

Method 8082A: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (480-187476-B-2-A MS) and (480-187476-B-2-B MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 480-590168 and analytical batch 480-590360 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Job ID: 480-187476-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

laboratory control sample (LCS) recovery was within acceptance limits. B-21-06 (3-4)(07192021) (480-187476-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The interference check standard solution (ICSA) associated with the following samples showed results for Barium at a level greater than 2 times the limit of detection (LOD). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution. B-21-06 (3-4)(07192021) (480-187476-2), B-21-09 (2-3)(07192021) (480-187476-4), B-21-03 (7-8)(07192021) (480-187476-7), (LCSSRM 480-589895/2-A), (MB 480-589895/1-A), (480-187476-C-2-B MS), (480-187476-C-2-C MSD), (480-187476-C-2-A PDS) and (480-187476-C-2-A SD ^5)

Method 6010C: The serial dilution and post spike (480-187476-C-2-A PDS) and (480-187476-C-2-A SD ^5), associated with batch 480-589895, exceeded the quality control limits for Total Iron and Manganese. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The serial dilution (480-187476-C-2-A SD ^5) associated with batch 480-590179, exhibited results outside the quality control limits for Total Aluminum, Barium, Chromium, and Zinc. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

Method 6010C: The recovery of post spike, (480-187476-C-2-A PDS), associated with batch 480-590179, exhibited a result outside quality control limits for Total Magnesium. However, the serial dilution (SD) of this sample was compliant, therefore no corrective action was necessary.

Method 6010C: The low level continuing calibration verification (CCVL 480-590388/17) recovered above the upper control limit for Total Manganese. The samples associated with this CCVL were either less than the reporting limit (RL) for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCSSRM 480-589895/2-A) and (MB 480-589895/1-A) was not performed.

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-06 (3-4) (07192021) (480-187476-2), B-21-09 (2-3)(07192021) (480-187476-4), B-21-03 (7-8)(07192021) (480-187476-7), (480-187476-C-2-B MS ^2), (480-187476-C-2-C MSD ^2), (480-187476-C-2-A PDS ^2) and (480-187476-C-2-A SD ^10). Elevated reporting limits (RLs) are provided.

Method 6010C: The serial dilution (480-187476-C-2-A SD ^10) associated with batch 480-590388, exhibited a result outside the quality control limits for Total Calcium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): Method 537 (modified): The "I" qualifier associated with samples B-21-06 (1-2)(07192021) (480-187476-1) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (1-2)(07192021)

Lab Sample ID: 480-187476-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.47	J	0.62	0.20	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.021	J I	0.25	0.015	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.028	J	0.25	0.025	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.053	J	0.25	0.027	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.052	J	0.25	0.022	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.26	I	0.25	0.020	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.14	J	0.25	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.070	J	0.25	0.049	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.027	J	0.25	0.025	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	28500		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	0.51	J	1.9	0.40	ug/Kg	1	✳	8081B	Total/NA
Endrin aldehyde	0.96	J	1.9	0.49	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6440	TH	11.9	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.2		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	15.3	^ TH	0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.37		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	194000	B TL	119	7.8	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.0		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.5		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	8.0	B	2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	8340	TH B	11.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	18.6		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	15200	T B	23.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	346	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.1		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3260	TH	35.6	23.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	145	J	166	15.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	7.9		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	57.2		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0053	J	0.021	0.0049	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-06 (4-5)(07192021)

Lab Sample ID: 480-187476-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.0	J HT	27	4.5	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	2.6	J HT	5.3	1.2	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	53	J B	200	34	ug/Kg	1	✳	8270D	Total/NA
Endrin ketone	0.61	J B	2.0	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.65	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9790		12.1	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.2		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	24.2	^	0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.45		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	182000	B	121	8.0	mg/Kg	2	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (2-3)(07192021) (Continued)

Lab Sample ID: 480-187476-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	9.9		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.0		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	9.8	B	2.4	0.51	mg/Kg	2	✳	6010C	Total/NA
Iron	9810	B	12.1	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	15.2		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	16600	B	24.2	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	259	B	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	9.8		6.0	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4370		36.2	24.2	mg/Kg	1	✳	6010C	Total/NA
Sodium	163	J	169	15.7	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.9		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	10.8		2.4	0.77	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-09 (4-5)(07192021)

Lab Sample ID: 480-187476-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.2	J	27	4.5	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	2.3	J	5.3	1.2	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-03 (0-1)(07192021)

Lab Sample ID: 480-187476-6

No Detections.

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.67	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.57	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8070		11.9	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.9		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	20.5	^	0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.41		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	189000	B	119	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.2		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.8		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	9.8	B	2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	10500	B	11.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	25.0		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	22400	B	23.9	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	397	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.2		6.0	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	4460		35.8	23.9	mg/Kg	1	✳	6010C	Total/NA
Sodium	163	J	167	15.5	mg/Kg	1	✳	6010C	Total/NA
Vanadium	9.7		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	43.5		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (1-2)(07192021)

Lab Sample ID: 480-187476-1

Date Collected: 07/19/21 09:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 79.1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.5	U	2.5	0.020	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.5	U	2.5	0.039	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.5	U	2.5	0.057	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.5	U	2.5	0.046	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorobutanesulfonic acid (PFBS)	0.25	U	0.25	0.012	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorobutanoic acid (PFBA)	0.47	J	0.62	0.20	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorodecanesulfonic acid (PFDS)	0.25	U	0.25	0.015	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorodecanoic acid (PFDA)	0.021	J I	0.25	0.015	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorododecanoic acid (PFDoA)	0.25	U	0.25	0.026	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.25	U	0.25	0.019	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluoroheptanoic acid (PFHpA)	0.028	J	0.25	0.025	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorohexanesulfonic acid (PFHxS)	0.25	U	0.25	0.017	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorohexanoic acid (PFHxA)	0.053	J	0.25	0.027	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorononanoic acid (PFNA)	0.052	J	0.25	0.022	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorooctanesulfonamide (PFOSA)	0.25	U	0.25	0.021	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorooctanesulfonic acid (PFOS)	0.26	I	0.25	0.020	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorooctanoic acid (PFOA)	0.14	J	0.25	0.031	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluoropentanoic acid (PFPeA)	0.070	J	0.25	0.049	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorotetradecanoic acid (PFTeA)	0.25	U	0.25	0.029	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluorotridecanoic acid (PFTriA)	0.25	U	0.25	0.019	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1
Perfluoroundecanoic acid (PFUnA)	0.027	J	0.25	0.025	ug/Kg	☼	07/22/21 09:56	07/23/21 14:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	74		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C2 PFDoA	76		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C2 PFHxA	77		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C2 PFTeDA	78		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C2 PFUnA	74		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C3 PFBS	72		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C4 PFBA	80		25 - 150	07/22/21 09:56	07/23/21 14:56	1
13C4 PFHpA	75		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C4 PFOA	77		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C4 PFOS	74		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C5 PFNA	70		50 - 150	07/22/21 09:56	07/23/21 14:56	1
13C5 PFPeA	74		25 - 150	07/22/21 09:56	07/23/21 14:56	1
13C8 FOSA	70		25 - 150	07/22/21 09:56	07/23/21 14:56	1
18O2 PFHxS	71		50 - 150	07/22/21 09:56	07/23/21 14:56	1
d3-NMeFOSAA	54		50 - 150	07/22/21 09:56	07/23/21 14:56	1
d5-NEtFOSAA	55		50 - 150	07/22/21 09:56	07/23/21 14:56	1
M2-6:2 FTS	83		25 - 150	07/22/21 09:56	07/23/21 14:56	1
M2-8:2 FTS	76		25 - 150	07/22/21 09:56	07/23/21 14:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	28500		1000	671	mg/Kg			07/27/21 19:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U T	190	33	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
1,4-Dioxane	110	U	110	63	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4,5-Trichlorophenol	190	U T	190	52	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4,6-Trichlorophenol	190	U T	190	39	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4-Dichlorophenol	190	U T	190	21	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2,6-Dinitrotoluene	190	U T	190	23	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Chloronaphthalene	190	U T	190	32	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Chlorophenol	380	U T	380	35	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Methylnaphthalene	190	U T	190	39	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Methylphenol	190	U T	190	23	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Nitroaniline	380	U T	380	29	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
2-Nitrophenol	190	U T	190	55	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
3-Nitroaniline	380	U T	380	54	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4,6-Dinitro-2-methylphenol	380	U T	380	190	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Bromophenyl phenyl ether	190	U T	190	27	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Chloroaniline	190	U T	190	48	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Chlorophenyl phenyl ether	190	U T	190	24	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Methylphenol	380	U T	380	23	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Acenaphthene	190	U	190	29	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Acenaphthylene	190	U T	190	25	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Acetophenone	190	U T	190	26	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Anthracene	190	U T	190	48	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Atrazine	190	U	190	67	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzaldehyde	190	U T	190	150	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzo[a]anthracene	190	U T	190	19	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzo[a]pyrene	190	U T	190	29	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzo[b]fluoranthene	190	U T	190	31	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzo[g,h,i]perylene	190	U T	190	21	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Benzo[k]fluoranthene	190	U T	190	25	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Biphenyl	190	U T	190	29	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
bis (2-chloroisopropyl) ether	190	U T	190	39	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Bis(2-chloroethoxy)methane	190	U T	190	41	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Bis(2-chloroethyl)ether	190	U T	190	25	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Bis(2-ethylhexyl) phthalate	190	U T	190	66	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Butyl benzyl phthalate	190	U T	190	32	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Caprolactam	190	U	190	58	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Carbazole	190	U T	190	23	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Chrysene	190	U T	190	43	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Dibenz(a,h)anthracene	190	U T	190	34	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Dibenzofuran	190	U T	190	23	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1
Diethyl phthalate	190	U T	190	25	ug/Kg	✱	07/22/21 08:37	07/23/21 22:39	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	190	U T	190	23	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Di-n-butyl phthalate	190	U T	190	33	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Di-n-octyl phthalate	190	U T	190	23	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Fluoranthene	190	U T	190	21	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Fluorene	190	U T	190	23	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Hexachlorobenzene	190	U T	190	26	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Hexachlorobutadiene	190	U	190	29	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Indeno[1,2,3-cd]pyrene	190	U T	190	24	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Isophorone	190	U T	190	41	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Nitrobenzene	190	U T	190	22	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
N-Nitrosodi-n-propylamine	190	U T	190	33	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
N-Nitrosodiphenylamine	190	U T	190	160	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Phenanthrene	190	U T	190	29	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Phenol	190	U T	190	30	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1
Pyrene	190	U	190	23	ug/Kg	☼	07/22/21 08:37	07/23/21 22:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1400	T J	ug/Kg	☼	1.91		07/22/21 08:37	07/23/21 22:39	1
Unknown	190	T J	ug/Kg	☼	3.30		07/22/21 08:37	07/23/21 22:39	1
Ethane, 1,1,2,2-tetrachloro-	200	T J N	ug/Kg	☼	4.47	79-34-5	07/22/21 08:37	07/23/21 22:39	1
Unknown	210	T J	ug/Kg	☼	10.15		07/22/21 08:37	07/23/21 22:39	1
9-Octadecenamide, (Z)-	530	T J N	ug/Kg	☼	12.76	301-02-0	07/22/21 08:37	07/23/21 22:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		54 - 120	07/22/21 08:37	07/23/21 22:39	1
2-Fluorobiphenyl (Surr)	84		60 - 120	07/22/21 08:37	07/23/21 22:39	1
2-Fluorophenol (Surr)	71		52 - 120	07/22/21 08:37	07/23/21 22:39	1
Nitrobenzene-d5 (Surr)	80		53 - 120	07/22/21 08:37	07/23/21 22:39	1
Phenol-d5 (Surr)	74		54 - 120	07/22/21 08:37	07/23/21 22:39	1
p-Terphenyl-d14 (Surr)	107		79 - 130	07/22/21 08:37	07/23/21 22:39	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
4,4'-DDE	0.51	J	1.9	0.40	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Endosulfan sulfate	1.9	U TH	1.9	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	07/23/21 08:00	07/26/21 10:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 87.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	0.96	J	1.9	0.49	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
gamma-BHC (Lindane)	1.9	U	1.9	0.35	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Toxaphene	19	U	19	11	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	✱	07/23/21 08:00	07/26/21 10:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		45 - 120				07/23/21 08:00	07/26/21 10:31	1
DCB Decachlorobiphenyl	99		45 - 120				07/23/21 08:00	07/26/21 10:31	1
Tetrachloro-m-xylene	81		30 - 124				07/23/21 08:00	07/26/21 10:31	1
Tetrachloro-m-xylene	85		30 - 124				07/23/21 08:00	07/26/21 10:31	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.056	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1221	0.29	U	0.29	0.056	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1232	0.29	U	0.29	0.056	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1242	0.29	U	0.29	0.056	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1248	0.29	U	0.29	0.056	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1254	0.29	U	0.29	0.13	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
PCB-1260	0.29	U	0.29	0.13	mg/Kg	✱	07/22/21 08:51	07/25/21 23:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	143		60 - 154				07/22/21 08:51	07/25/21 23:29	1
Tetrachloro-m-xylene	141		60 - 154				07/22/21 08:51	07/25/21 23:29	1
DCB Decachlorobiphenyl	134		65 - 174				07/22/21 08:51	07/25/21 23:29	1
DCB Decachlorobiphenyl	143		65 - 174				07/22/21 08:51	07/25/21 23:29	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	07/26/21 06:57	07/28/21 16:19	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✱	07/26/21 06:57	07/28/21 16:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		28 - 129				07/26/21 06:57	07/28/21 16:19	1
2,4-Dichlorophenylacetic acid	61		28 - 129				07/26/21 06:57	07/28/21 16:19	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6440	TH	11.9	5.2	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Antimony	17.8	U TL	17.8	0.48	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Arsenic	4.2		2.4	0.48	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Barium	15.3	^ TH	0.59	0.13	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Beryllium	0.37		0.24	0.033	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Calcium	194000	B TL	119	7.8	mg/Kg	✱	07/21/21 18:29	07/23/21 14:47	2
Chromium	7.0		0.59	0.24	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1
Cobalt	4.5		0.59	0.059	mg/Kg	✱	07/21/21 18:29	07/23/21 00:25	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 87.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	8.0	B	2.4	0.50	mg/Kg	☼	07/21/21 18:29	07/23/21 14:47	2
Iron	8340	TH B	11.9	4.2	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Lead	18.6		1.2	0.29	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Magnesium	15200	T B	23.8	1.1	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Manganese	346	B	0.24	0.038	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Nickel	10.1		5.9	0.27	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Potassium	3260	TH	35.6	23.8	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	07/21/21 18:29	07/29/21 16:27	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Sodium	145	J	166	15.4	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Vanadium	7.9		0.59	0.13	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1
Zinc	57.2		2.4	0.76	mg/Kg	☼	07/21/21 18:29	07/23/21 00:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0053	J	0.021	0.0049	mg/Kg	☼	07/23/21 12:57	07/23/21 15:28	1

Client Sample ID: B-21-06 (4-5)(07192021)

Lab Sample ID: 480-187476-3

Date Collected: 07/19/21 09:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U HT	5.3	0.38	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,1,2,2-Tetrachloroethane	5.3	U HT	5.3	0.86	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U HT	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,1,2-Trichloroethane	5.3	U HT	5.3	0.69	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,1-Dichloroethane	5.3	U HT	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,1-Dichloroethene	5.3	U HT	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2,4-Trichlorobenzene	5.3	U HT	5.3	0.32	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2-Dibromo-3-Chloropropane	5.3	U HT	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2-Dibromoethane	5.3	U HT	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2-Dichlorobenzene	5.3	U HT	5.3	0.41	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2-Dichloroethane	5.3	U HT	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,2-Dichloropropane	5.3	U HT	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,3-Dichlorobenzene	5.3	U HT	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
1,4-Dichlorobenzene	5.3	U HT	5.3	0.74	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
2-Butanone (MEK)	27	U HT	27	1.9	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
2-Hexanone	27	U HT	27	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
4-Methyl-2-pentanone (MIBK)	27	U HT	27	1.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Acetone	7.0	J HT	27	4.5	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Benzene	5.3	U HT	5.3	0.26	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Bromodichloromethane	5.3	U HT	5.3	0.71	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Bromoform	5.3	U HT	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Bromomethane	5.3	U HT	5.3	0.48	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Carbon disulfide	5.3	U HT	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Carbon tetrachloride	5.3	U HT	5.3	0.51	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Chlorobenzene	5.3	U HT	5.3	0.70	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Chloroethane	5.3	U HT TH	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (4-5)(07192021)

Lab Sample ID: 480-187476-3

Date Collected: 07/19/21 09:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	5.3	U HT	5.3	0.33	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Chloromethane	5.3	U HT TH	5.3	0.32	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
cis-1,2-Dichloroethene	5.3	U HT	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
cis-1,3-Dichloropropene	5.3	U HT	5.3	0.76	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Cyclohexane	5.3	U HT	5.3	0.74	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Dibromochloromethane	5.3	U HT	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Dichlorodifluoromethane	5.3	U HT	5.3	0.44	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Ethylbenzene	5.3	U HT	5.3	0.37	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Isopropylbenzene	5.3	U HT	5.3	0.80	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Methyl acetate	27	U HT	27	3.2	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Methyl tert-butyl ether	5.3	U HT	5.3	0.52	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Methylcyclohexane	5.3	U HT	5.3	0.81	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Methylene Chloride	5.3	U HT	5.3	2.4	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Styrene	5.3	U HT	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Tetrachloroethene	5.3	U HT	5.3	0.71	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Toluene	5.3	U HT	5.3	0.40	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
trans-1,2-Dichloroethene	5.3	U HT	5.3	0.55	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
trans-1,3-Dichloropropene	5.3	U HT	5.3	2.3	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Trichloroethene	2.6	J HT	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Trichlorofluoromethane	5.3	U HT	5.3	0.50	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Vinyl chloride	5.3	U HT TH	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1
Xylenes, Total	11	U HT	11	0.89	ug/Kg	☼	07/21/21 10:00	07/27/21 21:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None	HT	ug/Kg	☼			07/21/21 10:00	07/27/21 21:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		64 - 126	07/21/21 10:00	07/27/21 21:55	1
4-Bromofluorobenzene (Surr)	90		72 - 126	07/21/21 10:00	07/27/21 21:55	1
Dibromofluoromethane (Surr)	107		60 - 140	07/21/21 10:00	07/27/21 21:55	1
Toluene-d8 (Surr)	97		71 - 125	07/21/21 10:00	07/27/21 21:55	1

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	200	U	200	40	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
2-Methylphenol	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
2-Nitroaniline	390	U	390	30	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
2-Nitrophenol	200	U	200	57	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
3-Nitroaniline	390	U	390	56	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Chloroaniline	200	U	200	50	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Methylphenol	390	U	390	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Nitroaniline	390	U	390	110	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
4-Nitrophenol	390	U	390	140	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Acenaphthene	200	U	200	30	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Acenaphthylene	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Acetophenone	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Anthracene	200	U	200	50	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Atrazine	200	U	200	70	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzaldehyde	200	U	200	160	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Biphenyl	200	U	200	30	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Caprolactam	200	U	200	60	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Carbazole	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Chrysene	200	U	200	45	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Dibenzofuran	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Diethyl phthalate	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Dimethyl phthalate	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Di-n-butyl phthalate	53	J B	200	34	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Fluoranthene	200	U	200	21	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Fluorene	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Hexachlorobenzene	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Hexachloroethane	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Isophorone	200	U	200	43	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1
Naphthalene	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
Phenol	200	U	200	31	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1
Pyrene	200	U	200	24	ug/Kg	☼	07/22/21 08:37	07/24/21 02:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1900	T J	ug/Kg	☼	1.90		07/22/21 08:37	07/24/21 02:12	1
Ethane, 1,1,2-trichloro-	260	T J N	ug/Kg	☼	2.29	79-00-5	07/22/21 08:37	07/24/21 02:12	1
Unknown	240	T J	ug/Kg	☼	3.29		07/22/21 08:37	07/24/21 02:12	1
Ethane, 1,1,2,2-tetrachloro-	300	T J N	ug/Kg	☼	4.47	79-34-5	07/22/21 08:37	07/24/21 02:12	1
9-Octadecenamamide, (Z)-	710	T J N	ug/Kg	☼	12.76	301-02-0	07/22/21 08:37	07/24/21 02:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	95		54 - 120	07/22/21 08:37	07/24/21 02:12	1
2-Fluorobiphenyl (Surr)	80		60 - 120	07/22/21 08:37	07/24/21 02:12	1
2-Fluorophenol (Surr)	67		52 - 120	07/22/21 08:37	07/24/21 02:12	1
Nitrobenzene-d5 (Surr)	79		53 - 120	07/22/21 08:37	07/24/21 02:12	1
Phenol-d5 (Surr)	71		54 - 120	07/22/21 08:37	07/24/21 02:12	1
p-Terphenyl-d14 (Surr)	94		79 - 130	07/22/21 08:37	07/24/21 02:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
delta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Endrin ketone	0.61	J B	2.0	0.48	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
gamma-BHC (Lindane)	0.65	J B	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Heptachlor	2.0	U	2.0	0.42	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
Toxaphene	20	U	20	11	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	07/23/21 08:00	07/26/21 11:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		45 - 120	07/23/21 08:00	07/26/21 11:29	1
DCB Decachlorobiphenyl	90		45 - 120	07/23/21 08:00	07/26/21 11:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		30 - 124	07/23/21 08:00	07/26/21 11:29	1
Tetrachloro-m-xylene	80		30 - 124	07/23/21 08:00	07/26/21 11:29	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1254	0.27	U	0.27	0.12	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1
PCB-1260	0.27	U	0.27	0.12	mg/Kg	☆	07/22/21 08:51	07/26/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		60 - 154	07/22/21 08:51	07/26/21 15:13	1
Tetrachloro-m-xylene	114		60 - 154	07/22/21 08:51	07/26/21 15:13	1
DCB Decachlorobiphenyl	111		65 - 174	07/22/21 08:51	07/26/21 15:13	1
DCB Decachlorobiphenyl	120		65 - 174	07/22/21 08:51	07/26/21 15:13	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☆	07/26/21 06:57	07/28/21 16:48	1
Silvex (2,4,5-TP)	19	U	19	7.0	ug/Kg	☆	07/26/21 06:57	07/28/21 16:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		28 - 129	07/26/21 06:57	07/28/21 16:48	1
2,4-Dichlorophenylacetic acid	64		28 - 129	07/26/21 06:57	07/28/21 16:48	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9790		12.1	5.3	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Antimony	18.1	U	18.1	0.48	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Arsenic	5.2		2.4	0.48	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Barium	24.2	^	0.60	0.13	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Beryllium	0.45		0.24	0.034	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Calcium	182000	B	121	8.0	mg/Kg	☆	07/21/21 18:29	07/23/21 15:05	2
Chromium	9.9		0.60	0.24	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Cobalt	4.0		0.60	0.060	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Copper	9.8	B	2.4	0.51	mg/Kg	☆	07/21/21 18:29	07/23/21 15:05	2
Iron	9810	B	12.1	4.2	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Lead	15.2		1.2	0.29	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Magnesium	16600	B	24.2	1.1	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Manganese	259	B	0.24	0.039	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Nickel	9.8		6.0	0.28	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Potassium	4370		36.2	24.2	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☆	07/21/21 18:29	07/29/21 16:50	1
Silver	0.72	U	0.72	0.24	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Sodium	163	J	169	15.7	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☆	07/21/21 18:29	07/23/21 00:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	10.9		0.60	0.13	mg/Kg	☼	07/21/21 18:29	07/23/21 00:43	1
Zinc	10.8		2.4	0.77	mg/Kg	☼	07/21/21 18:29	07/23/21 00:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0052	mg/Kg	☼	07/23/21 12:57	07/23/21 15:33	1

Client Sample ID: B-21-09 (4-5)(07192021)

Lab Sample ID: 480-187476-5

Date Collected: 07/19/21 11:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.39	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,1-Dichloroethane	5.3	U	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2-Dibromoethane	5.3	U	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2-Dichlorobenzene	5.3	U	5.3	0.41	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2-Dichloroethane	5.3	U	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,2-Dichloropropane	5.3	U	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
1,4-Dichlorobenzene	5.3	U	5.3	0.74	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
2-Butanone (MEK)	27	U	27	1.9	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Acetone	5.2	J	27	4.5	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Benzene	5.3	U	5.3	0.26	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Bromodichloromethane	5.3	U	5.3	0.71	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Bromoform	5.3	U	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Bromomethane	5.3	U	5.3	0.48	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Carbon disulfide	5.3	U	5.3	2.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Carbon tetrachloride	5.3	U	5.3	0.51	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Chlorobenzene	5.3	U	5.3	0.70	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Chloroethane	5.3	U TH	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Chloroform	5.3	U	5.3	0.33	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Chloromethane	5.3	U TH	5.3	0.32	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.76	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Cyclohexane	5.3	U	5.3	0.74	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Ethylbenzene	5.3	U	5.3	0.37	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Isopropylbenzene	5.3	U	5.3	0.80	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Methyl acetate	27	U	27	3.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (4-5)(07192021)

Lab Sample ID: 480-187476-5

Date Collected: 07/19/21 11:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	5.3	U	5.3	0.81	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Methylene Chloride	5.3	U	5.3	2.4	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Styrene	5.3	U	5.3	0.27	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Tetrachloroethene	5.3	U	5.3	0.71	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Toluene	5.3	U	5.3	0.40	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.55	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Trichloroethene	2.3	J	5.3	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Vinyl chloride	5.3	U TH	5.3	0.65	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1
Xylenes, Total	11	U	11	0.89	ug/Kg	☼	07/21/21 10:00	07/27/21 22:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/21/21 10:00	07/27/21 22:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/21/21 10:00	07/27/21 22:19	1
4-Bromofluorobenzene (Surr)	89		72 - 126	07/21/21 10:00	07/27/21 22:19	1
Dibromofluoromethane (Surr)	108		60 - 140	07/21/21 10:00	07/27/21 22:19	1
Toluene-d8 (Surr)	99		71 - 125	07/21/21 10:00	07/27/21 22:19	1

Client Sample ID: B-21-03 (0-1)(07192021)

Lab Sample ID: 480-187476-6

Date Collected: 07/19/21 12:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 80.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1	U	5.1	0.37	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,1,1,2,2-Tetrachloroethane	5.1	U	5.1	0.83	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	5.1	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,1,2-Trichloroethane	5.1	U	5.1	0.67	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,1-Dichloroethane	5.1	U	5.1	0.63	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,1-Dichloroethene	5.1	U	5.1	0.63	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2,4-Trichlorobenzene	5.1	U	5.1	0.31	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2-Dibromo-3-Chloropropane	5.1	U	5.1	2.6	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2-Dibromoethane	5.1	U	5.1	0.66	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2-Dichlorobenzene	5.1	U	5.1	0.40	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2-Dichloroethane	5.1	U	5.1	0.26	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,2-Dichloropropane	5.1	U	5.1	2.6	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,3-Dichlorobenzene	5.1	U	5.1	0.26	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
1,4-Dichlorobenzene	5.1	U	5.1	0.72	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Acetone	26	U	26	4.3	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Benzene	5.1	U	5.1	0.25	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Bromodichloromethane	5.1	U	5.1	0.69	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Bromoform	5.1	U	5.1	2.6	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Bromomethane	5.1	U	5.1	0.46	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Carbon disulfide	5.1	U	5.1	2.6	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-03 (0-1)(07192021)

Lab Sample ID: 480-187476-6

Date Collected: 07/19/21 12:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 80.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	5.1	U	5.1	0.50	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Chlorobenzene	5.1	U	5.1	0.68	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Chloroethane	5.1	U TH	5.1	1.2	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Chloroform	5.1	U	5.1	0.32	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Chloromethane	5.1	U TH	5.1	0.31	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
cis-1,2-Dichloroethene	5.1	U	5.1	0.66	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
cis-1,3-Dichloropropene	5.1	U	5.1	0.74	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Cyclohexane	5.1	U	5.1	0.72	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Dibromochloromethane	5.1	U	5.1	0.66	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Dichlorodifluoromethane	5.1	U	5.1	0.42	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Ethylbenzene	5.1	U	5.1	0.35	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Isopropylbenzene	5.1	U	5.1	0.77	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Methyl acetate	26	U	26	3.1	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Methyl tert-butyl ether	5.1	U	5.1	0.50	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Methylcyclohexane	5.1	U	5.1	0.78	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Methylene Chloride	5.1	U	5.1	2.4	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Styrene	5.1	U	5.1	0.26	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Tetrachloroethene	5.1	U	5.1	0.69	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Toluene	5.1	U	5.1	0.39	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
trans-1,2-Dichloroethene	5.1	U	5.1	0.53	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
trans-1,3-Dichloropropene	5.1	U	5.1	2.3	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Trichloroethene	5.1	U	5.1	1.1	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Trichlorofluoromethane	5.1	U	5.1	0.49	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Vinyl chloride	5.1	U TH	5.1	0.63	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1
Xylenes, Total	10	U	10	0.86	ug/Kg	☼	07/21/21 10:00	07/27/21 22:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/21/21 10:00	07/27/21 22:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/21/21 10:00	07/27/21 22:44	1
4-Bromofluorobenzene (Surr)	89		72 - 126	07/21/21 10:00	07/27/21 22:44	1
Dibromofluoromethane (Surr)	107		60 - 140	07/21/21 10:00	07/27/21 22:44	1
Toluene-d8 (Surr)	96		71 - 125	07/21/21 10:00	07/27/21 22:44	1

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4-Dinitrophenol	2000	U	2000	920	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Chlorophenol	390	U	390	37	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Methylphenol	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Nitroaniline	390	U	390	29	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
2-Nitrophenol	200	U	200	57	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
3-Nitroaniline	390	U	390	55	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Chloroaniline	200	U	200	49	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Methylphenol	390	U	390	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Nitroaniline	390	U	390	100	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
4-Nitrophenol	390	U	390	140	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Acenaphthene	200	U	200	29	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Acenaphthylene	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Acetophenone	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Anthracene	200	U	200	49	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Atrazine	200	U	200	69	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzaldehyde	200	U	200	160	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Biphenyl	200	U	200	29	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Caprolactam	200	U	200	60	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Carbazole	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Chrysene	200	U	200	45	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Dibenzofuran	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Diethyl phthalate	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Dimethyl phthalate	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Fluoranthene	200	U	200	21	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Fluorene	200	U	200	24	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Hexachlorobenzene	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1
Hexachloroethane	200	U	200	26	ug/Kg	✳	07/22/21 08:37	07/24/21 02:36	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Isophorone	200	U	200	42	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Phenol	200	U	200	31	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1
Pyrene	200	U	200	24	ug/Kg	☼	07/22/21 08:37	07/24/21 02:36	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4200	T J	ug/Kg	☼	1.91		07/22/21 08:37	07/24/21 02:36	1
Unknown	180	T J	ug/Kg	☼	2.31		07/22/21 08:37	07/24/21 02:36	1
Unknown	540	T J	ug/Kg	☼	3.30		07/22/21 08:37	07/24/21 02:36	1
Unknown	530	T J	ug/Kg	☼	12.76		07/22/21 08:37	07/24/21 02:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	89		54 - 120	07/22/21 08:37	07/24/21 02:36	1
2-Fluorobiphenyl (Surr)	81		60 - 120	07/22/21 08:37	07/24/21 02:36	1
2-Fluorophenol (Surr)	69		52 - 120	07/22/21 08:37	07/24/21 02:36	1
Nitrobenzene-d5 (Surr)	78		53 - 120	07/22/21 08:37	07/24/21 02:36	1
Phenol-d5 (Surr)	70		54 - 120	07/22/21 08:37	07/24/21 02:36	1
p-Terphenyl-d14 (Surr)	96		79 - 130	07/22/21 08:37	07/24/21 02:36	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
delta-BHC	0.67	J	2.0	0.37	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
gamma-BHC (Lindane)	0.57	J B	2.0	0.36	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
Toxaphene	20	U	20	12	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	07/23/21 08:00	07/26/21 11:49	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120	07/23/21 08:00	07/26/21 11:49	1
DCB Decachlorobiphenyl	90		45 - 120	07/23/21 08:00	07/26/21 11:49	1
Tetrachloro-m-xylene	96		30 - 124	07/23/21 08:00	07/26/21 11:49	1
Tetrachloro-m-xylene	79		30 - 124	07/23/21 08:00	07/26/21 11:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☆	07/22/21 08:51	07/26/21 15:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154	07/22/21 08:51	07/26/21 15:26	1
Tetrachloro-m-xylene	117		60 - 154	07/22/21 08:51	07/26/21 15:26	1
DCB Decachlorobiphenyl	108		65 - 174	07/22/21 08:51	07/26/21 15:26	1
DCB Decachlorobiphenyl	120		65 - 174	07/22/21 08:51	07/26/21 15:26	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☆	07/26/21 06:57	07/28/21 17:18	1
Silvex (2,4,5-TP)	20	U	20	7.0	ug/Kg	☆	07/26/21 06:57	07/28/21 17:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	07/26/21 06:57	07/28/21 17:18	1
2,4-Dichlorophenylacetic acid	67		28 - 129	07/26/21 06:57	07/28/21 17:18	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8070		11.9	5.3	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Antimony	17.9	U	17.9	0.48	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Arsenic	6.9		2.4	0.48	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Barium	20.5	^	0.60	0.13	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Beryllium	0.41		0.24	0.033	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Calcium	189000	B	119	7.9	mg/Kg	☆	07/21/21 18:29	07/23/21 15:09	2
Chromium	9.2		0.60	0.24	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Cobalt	5.8		0.60	0.060	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Copper	9.8	B	2.4	0.50	mg/Kg	☆	07/21/21 18:29	07/23/21 15:09	2
Iron	10500	B	11.9	4.2	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Lead	25.0		1.2	0.29	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Magnesium	22400	B	23.9	1.1	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Manganese	397	B	0.24	0.038	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Nickel	12.2		6.0	0.27	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Potassium	4460		35.8	23.9	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☆	07/21/21 18:29	07/29/21 17:01	1
Silver	0.72	U	0.72	0.24	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1
Sodium	163	J	167	15.5	mg/Kg	☆	07/21/21 18:29	07/23/21 00:47	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	7.2	U	7.2	0.36	mg/Kg	✱	07/21/21 18:29	07/23/21 00:47	1
Vanadium	9.7		0.60	0.13	mg/Kg	✱	07/21/21 18:29	07/23/21 00:47	1
Zinc	43.5		2.4	0.76	mg/Kg	✱	07/21/21 18:29	07/23/21 00:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	U	0.025	0.0058	mg/Kg	✱	07/23/21 12:57	07/23/21 15:34	1



Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187476-3	B-21-06 (4-5)(07192021)	121	90	107	97
480-187476-5	B-21-09 (4-5)(07192021)	117	89	108	99
480-187476-6	B-21-03 (0-1)(07192021)	118	89	107	96
LCS 480-590632/1-A	Lab Control Sample	109	95	99	97
MB 480-590632/2-A	Method Blank	110	89	105	95

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187476-2	B-21-06 (3-4)(07192021)	100	84	71	80	74	107
480-187476-2 MS	B-21-06 (3-4)(07192021)	126 TH	94	78	90	83	110
480-187476-2 MSD	B-21-06 (3-4)(07192021)	101	68	57	66	57	94
480-187476-4	B-21-09 (2-3)(07192021)	95	80	67	79	71	94
480-187476-7	B-21-03 (7-8)(07192021)	89	81	69	78	70	96
LCS 480-590019/2-A	Lab Control Sample	118	94	81	90	83	108
MB 480-590019/1-A	Method Blank	146 TH	119	103	118	112	151 TH

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187476-2	B-21-06 (3-4)(07192021)	101	99	81	85
480-187476-2 MS	B-21-06 (3-4)(07192021)	100	95	98	79
480-187476-2 MSD	B-21-06 (3-4)(07192021)	109	96	105	84
480-187476-4	B-21-09 (2-3)(07192021)	95	90	103	80
480-187476-7	B-21-03 (7-8)(07192021)	94	90	96	79
LCS 480-590168/2-A	Lab Control Sample	98	94	98	75
MB 480-590168/1-A	Method Blank	81	77	77	60

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187476-2	B-21-06 (3-4)(07192021)	143	141	134	143
480-187476-2 MS	B-21-06 (3-4)(07192021)	152	165 TH	148	165
480-187476-2 MSD	B-21-06 (3-4)(07192021)	153	169 TH	152	158
480-187476-4	B-21-09 (2-3)(07192021)	116	114	111	120
480-187476-7	B-21-03 (7-8)(07192021)	115	117	108	120
LCS 480-590023/2-A	Lab Control Sample	152	147	139	151
MB 480-590023/1-A	Method Blank	131	133	119	131

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187476-2	B-21-06 (3-4)(07192021)	58	61
480-187476-4	B-21-09 (2-3)(07192021)	64	64
480-187476-7	B-21-03 (7-8)(07192021)	67	67
LCS 480-590353/2-A	Lab Control Sample	43	45
MB 480-590353/1-A	Method Blank	64	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187476-1	B-21-06 (1-2)(07192021)	74	76	77	78	74	72	80	75
LCS 200-169341/2-A	Lab Control Sample	95	86	97	80	90	104	100	96
MB 200-169341/1-A	Method Blank	93	82	93	71	81	97	96	93

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187476-1	B-21-06 (1-2)(07192021)	77	74	70	74	70	71	54	55
LCS 200-169341/2-A	Lab Control Sample	95	99	90	98	92	96	77	71
MB 200-169341/1-A	Method Blank	93	98	94	95	93	98	75	71

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187476-1	B-21-06 (1-2)(07192021)	83	76
LCS 200-169341/2-A	Lab Control Sample	108	99
MB 200-169341/1-A	Method Blank	108	96

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-590632/2-A

Matrix: Solid

Analysis Batch: 590634

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590632

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Acetone	25	U	25	4.2	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/27/21 16:22	07/27/21 19:27	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/27/21 16:22	07/27/21 19:27	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-590632/2-A
Matrix: Solid
Analysis Batch: 590634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590632

<i>Tentatively Identified Compound</i>	<i>MB</i>	<i>MB</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	None		ug/Kg				07/27/21 16:22	07/27/21 19:27	1
<i>Surrogate</i>	<i>MB</i>	<i>MB</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	110		64 - 126				07/27/21 16:22	07/27/21 19:27	1
4-Bromofluorobenzene (Surr)	89		72 - 126				07/27/21 16:22	07/27/21 19:27	1
Dibromofluoromethane (Surr)	105		60 - 140				07/27/21 16:22	07/27/21 19:27	1
Toluene-d8 (Surr)	95		71 - 125				07/27/21 16:22	07/27/21 19:27	1

Lab Sample ID: LCS 480-590632/1-A
Matrix: Solid
Analysis Batch: 590634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590632

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	51.6		ug/Kg		103	77 - 121
1,1,2,2-Tetrachloroethane	50.0	51.8		ug/Kg		104	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.8		ug/Kg		88	60 - 140
1,1,2-Trichloroethane	50.0	52.3		ug/Kg		105	78 - 122
1,1-Dichloroethane	50.0	51.0		ug/Kg		102	73 - 126
1,1-Dichloroethene	50.0	46.5		ug/Kg		93	59 - 125
1,2,4-Trichlorobenzene	50.0	44.6		ug/Kg		89	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	53.3		ug/Kg		107	63 - 124
1,2-Dibromoethane	50.0	49.9		ug/Kg		100	78 - 120
1,2-Dichlorobenzene	50.0	49.3		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	53.4		ug/Kg		107	77 - 122
1,2-Dichloropropane	50.0	47.9		ug/Kg		96	75 - 124
1,3-Dichlorobenzene	50.0	51.8		ug/Kg		104	74 - 120
1,4-Dichlorobenzene	50.0	51.9		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	254		ug/Kg		102	70 - 134
2-Hexanone	250	290		ug/Kg		116	59 - 130
4-Methyl-2-pentanone (MIBK)	250	266		ug/Kg		107	65 - 133
Acetone	250	259		ug/Kg		104	61 - 137
Benzene	50.0	49.1		ug/Kg		98	79 - 127
Bromodichloromethane	50.0	55.2		ug/Kg		110	80 - 122
Bromoform	50.0	51.2		ug/Kg		102	68 - 126
Bromomethane	50.0	68.4		ug/Kg		137	37 - 149
Carbon disulfide	50.0	44.1		ug/Kg		88	64 - 131
Carbon tetrachloride	50.0	53.5		ug/Kg		107	75 - 135
Chlorobenzene	50.0	49.1		ug/Kg		98	76 - 124
Chloroethane	50.0	79.6	TH	ug/Kg		159	69 - 135
Chloroform	50.0	51.1		ug/Kg		102	80 - 120
Chloromethane	50.0	68.2	TH	ug/Kg		136	63 - 127
cis-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	49.5		ug/Kg		99	80 - 120
Cyclohexane	50.0	40.3		ug/Kg		81	65 - 120
Dibromochloromethane	50.0	56.6		ug/Kg		113	76 - 125
Dichlorodifluoromethane	50.0	32.7		ug/Kg		65	57 - 142
Ethylbenzene	50.0	51.7		ug/Kg		103	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-590632/1-A
Matrix: Solid
Analysis Batch: 590634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590632

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.1		ug/Kg		96	72 - 120
Methyl acetate	100	93.7		ug/Kg		94	55 - 136
Methyl tert-butyl ether	50.0	45.0		ug/Kg		90	63 - 125
Methylcyclohexane	50.0	43.7		ug/Kg		87	60 - 140
Methylene Chloride	50.0	50.4		ug/Kg		101	61 - 127
Styrene	50.0	49.8		ug/Kg		100	80 - 120
Tetrachloroethene	50.0	47.5		ug/Kg		95	74 - 122
Toluene	50.0	50.0		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	48.7		ug/Kg		97	78 - 126
Trichloroethene	50.0	47.0		ug/Kg		94	77 - 129
Trichlorofluoromethane	50.0	61.9		ug/Kg		124	65 - 146
Vinyl chloride	50.0	73.3	TH	ug/Kg		147	61 - 133
Xylenes, Total	100	98.9		ug/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	109		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	97		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-590019/1-A
Matrix: Solid
Analysis Batch: 590244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590019

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
1,4-Dioxane	100	U	100	55	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Methylphenol	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/22/21 08:37	07/23/21 21:04	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590019/1-A
Matrix: Solid
Analysis Batch: 590244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590019

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Methylphenol	330	U	330	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Nitroaniline	330	U	330	89	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Acenaphthene	170	U	170	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Acenaphthylene	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Acetophenone	170	U	170	23	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Anthracene	170	U	170	42	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Atrazine	170	U	170	59	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzaldehyde	170	U	170	130	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Biphenyl	170	U	170	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Caprolactam	170	U	170	51	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Carbazole	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Chrysene	170	U	170	38	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Dibenzofuran	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Di-n-butyl phthalate	70.6	J	170	29	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Fluoranthene	170	U	170	18	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Fluorene	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Hexachloroethane	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Isophorone	170	U	170	36	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Naphthalene	170	U	170	22	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Nitrobenzene	170	U	170	19	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Phenanthrene	170	U	170	25	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Phenol	170	U	170	26	ug/Kg		07/22/21 08:37	07/23/21 21:04	1
Pyrene	170	U	170	20	ug/Kg		07/22/21 08:37	07/23/21 21:04	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590019/1-A
Matrix: Solid
Analysis Batch: 590244

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590019

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	859	T J	ug/Kg		1.88		07/22/21 08:37	07/23/21 21:04	1
Unknown	240	T J	ug/Kg		3.29		07/22/21 08:37	07/23/21 21:04	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	146	TH	54 - 120	07/22/21 08:37	07/23/21 21:04	1
2-Fluorobiphenyl (Surr)	119		60 - 120	07/22/21 08:37	07/23/21 21:04	1
2-Fluorophenol (Surr)	103		52 - 120	07/22/21 08:37	07/23/21 21:04	1
Nitrobenzene-d5 (Surr)	118		53 - 120	07/22/21 08:37	07/23/21 21:04	1
Phenol-d5 (Surr)	112		54 - 120	07/22/21 08:37	07/23/21 21:04	1
p-Terphenyl-d14 (Surr)	151	TH	79 - 130	07/22/21 08:37	07/23/21 21:04	1

Lab Sample ID: LCS 480-590019/2-A
Matrix: Solid
Analysis Batch: 590244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1630	808		ug/Kg		50	23 - 120
2,3,4,6-Tetrachlorophenol	1630	1660		ug/Kg		102	64 - 120
2,4,5-Trichlorophenol	1630	1640		ug/Kg		101	59 - 126
2,4,6-Trichlorophenol	1630	1590		ug/Kg		98	59 - 123
2,4-Dichlorophenol	1630	1530		ug/Kg		94	61 - 120
2,4-Dimethylphenol	1630	1500		ug/Kg		92	59 - 120
2,4-Dinitrophenol	3250	3050		ug/Kg		94	41 - 146
2,4-Dinitrotoluene	1630	1640		ug/Kg		101	63 - 120
2,6-Dinitrotoluene	1630	1670		ug/Kg		102	66 - 120
2-Chloronaphthalene	1630	1480		ug/Kg		91	57 - 120
2-Chlorophenol	1630	1370		ug/Kg		85	53 - 120
2-Methylnaphthalene	1630	1390		ug/Kg		85	59 - 120
2-Methylphenol	1630	1420		ug/Kg		87	54 - 120
2-Nitroaniline	1630	1650		ug/Kg		101	61 - 120
2-Nitrophenol	1630	1450		ug/Kg		89	56 - 120
3,3'-Dichlorobenzidine	3250	3140		ug/Kg		96	54 - 120
3-Nitroaniline	1630	1430		ug/Kg		88	48 - 120
4,6-Dinitro-2-methylphenol	3250	3580		ug/Kg		110	49 - 122
4-Bromophenyl phenyl ether	1630	1820		ug/Kg		112	58 - 120
4-Chloro-3-methylphenol	1630	1660		ug/Kg		102	61 - 120
4-Chloroaniline	1630	1400		ug/Kg		86	38 - 120
4-Chlorophenyl phenyl ether	1630	1640		ug/Kg		101	63 - 124
4-Methylphenol	1630	1410		ug/Kg		86	55 - 120
4-Nitroaniline	1630	1530		ug/Kg		94	56 - 120
4-Nitrophenol	3250	3680		ug/Kg		113	43 - 147
Acenaphthene	1630	1520		ug/Kg		94	62 - 120
Acenaphthylene	1630	1600		ug/Kg		98	58 - 121
Acetophenone	1630	1440		ug/Kg		89	54 - 120
Anthracene	1630	1680		ug/Kg		104	62 - 120
Atrazine	3250	3510		ug/Kg		108	60 - 127
Benzaldehyde	3250	2930	E	ug/Kg		90	10 - 150

Eurolins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590019/2-A
Matrix: Solid
Analysis Batch: 590244

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590019

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	1630	1750		ug/Kg		108	65 - 120
Benzo[a]pyrene	1630	1590		ug/Kg		98	64 - 120
Benzo[b]fluoranthene	1630	1610		ug/Kg		99	64 - 120
Benzo[g,h,i]perylene	1630	1590		ug/Kg		98	45 - 145
Benzo[k]fluoranthene	1630	1700		ug/Kg		105	65 - 120
Biphenyl	1630	1490		ug/Kg		92	59 - 120
bis (2-chloroisopropyl) ether	1630	1110		ug/Kg		68	44 - 120
Bis(2-chloroethoxy)methane	1630	1380		ug/Kg		85	55 - 120
Bis(2-chloroethyl)ether	1630	1230		ug/Kg		76	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1830		ug/Kg		112	61 - 133
Butyl benzyl phthalate	1630	1820		ug/Kg		112	61 - 129
Caprolactam	3250	2980		ug/Kg		92	47 - 120
Carbazole	1630	1650		ug/Kg		101	65 - 120
Chrysene	1630	1710		ug/Kg		105	64 - 120
Dibenz(a,h)anthracene	1630	1690		ug/Kg		104	54 - 132
Dibenzofuran	1630	1550		ug/Kg		95	63 - 120
Diethyl phthalate	1630	1760		ug/Kg		108	66 - 120
Dimethyl phthalate	1630	1640		ug/Kg		101	65 - 124
Di-n-butyl phthalate	1630	1860		ug/Kg		114	58 - 130
Di-n-octyl phthalate	1630	1750		ug/Kg		107	57 - 133
Fluoranthene	1630	1710		ug/Kg		105	62 - 120
Fluorene	1630	1600		ug/Kg		99	63 - 120
Hexachlorobenzene	1630	1900		ug/Kg		117	60 - 120
Hexachlorobutadiene	1630	1640		ug/Kg		101	45 - 120
Hexachlorocyclopentadiene	1630	1430		ug/Kg		88	47 - 120
Hexachloroethane	1630	1340		ug/Kg		82	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1630		ug/Kg		100	56 - 134
Isophorone	1630	1520		ug/Kg		94	56 - 120
Naphthalene	1630	1410		ug/Kg		87	55 - 120
Nitrobenzene	1630	1440		ug/Kg		88	54 - 120
N-Nitrosodi-n-propylamine	1630	1360		ug/Kg		84	52 - 120
N-Nitrosodiphenylamine	1630	1650		ug/Kg		102	51 - 128
Pentachlorophenol	3250	3650		ug/Kg		112	51 - 120
Phenanthrene	1630	1600		ug/Kg		98	60 - 120
Phenol	1630	1360		ug/Kg		84	53 - 120
Pyrene	1630	1700		ug/Kg		104	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	118		54 - 120
2-Fluorobiphenyl (Surr)	94		60 - 120
2-Fluorophenol (Surr)	81		52 - 120
Nitrobenzene-d5 (Surr)	90		53 - 120
Phenol-d5 (Surr)	83		54 - 120
p-Terphenyl-d14 (Surr)	108		79 - 130

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187476-2 MS

Matrix: Solid

Analysis Batch: 590244

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 590019

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier	Added	Result	Qualifier					
1,2,4,5-Tetrachlorobenzene	190	U T	1900	1860		ug/Kg	✱	98		59 - 120
1,4-Dioxane	110	U	1900	870		ug/Kg	✱	46		13 - 120
2,3,4,6-Tetrachlorophenol	190	U	1900	2000		ug/Kg	✱	105		50 - 150
2,4,5-Trichlorophenol	190	U T	1900	1940		ug/Kg	✱	102		46 - 120
2,4,6-Trichlorophenol	190	U T	1900	1840		ug/Kg	✱	97		41 - 123
2,4-Dichlorophenol	190	U T	1900	1800		ug/Kg	✱	95		45 - 120
2,4-Dimethylphenol	190	U	1900	1760		ug/Kg	✱	93		52 - 120
2,4-Dinitrophenol	1900	U	3800	3360		ug/Kg	✱	89		41 - 146
2,4-Dinitrotoluene	190	U	1900	1970		ug/Kg	✱	104		63 - 125
2,6-Dinitrotoluene	190	U T	1900	1970		ug/Kg	✱	104		66 - 120
2-Chloronaphthalene	190	U T	1900	1720		ug/Kg	✱	91		57 - 120
2-Chlorophenol	380	U T	1900	1530		ug/Kg	✱	81		43 - 120
2-Methylnaphthalene	190	U T	1900	1610		ug/Kg	✱	85		55 - 120
2-Methylphenol	190	U T	1900	1650		ug/Kg	✱	87		48 - 120
2-Nitroaniline	380	U T	1900	1970		ug/Kg	✱	104		61 - 120
2-Nitrophenol	190	U T	1900	1660		ug/Kg	✱	88		37 - 120
3,3'-Dichlorobenzidine	380	U	3800	3820		ug/Kg	✱	101		37 - 126
3-Nitroaniline	380	U T	1900	1720		ug/Kg	✱	90		48 - 120
4,6-Dinitro-2-methylphenol	380	U T	3800	4360		ug/Kg	✱	115		23 - 149
4-Bromophenyl phenyl ether	190	U T	1900	2220		ug/Kg	✱	117		58 - 120
4-Chloro-3-methylphenol	190	U	1900	1910		ug/Kg	✱	100		49 - 125
4-Chloroaniline	190	U T	1900	1610		ug/Kg	✱	85		38 - 120
4-Chlorophenyl phenyl ether	190	U T	1900	1910		ug/Kg	✱	101		63 - 124
4-Methylphenol	380	U T	1900	1630		ug/Kg	✱	86		50 - 120
4-Nitroaniline	380	U	1900	1840		ug/Kg	✱	97		47 - 120
4-Nitrophenol	380	U	3800	4500		ug/Kg	✱	119		31 - 147
Acenaphthene	190	U	1900	1750		ug/Kg	✱	92		60 - 120
Acenaphthylene	190	U T	1900	1910		ug/Kg	✱	101		58 - 121
Acetophenone	190	U T	1900	1680		ug/Kg	✱	89		47 - 120
Anthracene	190	U T	1900	2050		ug/Kg	✱	108		62 - 120
Atrazine	190	U	3800	4180		ug/Kg	✱	110		60 - 150
Benzaldehyde	190	U T	3800	3300	E	ug/Kg	✱	87		10 - 150
Benzo[a]anthracene	190	U T	1900	2080		ug/Kg	✱	109		65 - 120
Benzo[a]pyrene	190	U T	1900	1890		ug/Kg	✱	100		64 - 120
Benzo[b]fluoranthene	190	U T	1900	2030		ug/Kg	✱	107		10 - 150
Benzo[g,h,i]perylene	190	U T	1900	1950		ug/Kg	✱	102		45 - 145
Benzo[k]fluoranthene	190	U T	1900	2110		ug/Kg	✱	111		23 - 150
Biphenyl	190	U T	1900	1760		ug/Kg	✱	93		58 - 120
bis (2-chloroisopropyl) ether	190	U T	1900	1280		ug/Kg	✱	68		31 - 120
Bis(2-chloroethoxy)methane	190	U T	1900	1640		ug/Kg	✱	86		52 - 120
Bis(2-chloroethyl)ether	190	U T	1900	1430		ug/Kg	✱	75		45 - 120
Bis(2-ethylhexyl) phthalate	190	U T	1900	2100		ug/Kg	✱	111		61 - 133
Butyl benzyl phthalate	190	U T	1900	2120		ug/Kg	✱	112		61 - 120
Caprolactam	190	U	3800	3430		ug/Kg	✱	90		37 - 133
Carbazole	190	U T	1900	2050		ug/Kg	✱	108		59 - 120
Chrysene	190	U T	1900	1980		ug/Kg	✱	104		64 - 120
Dibenz(a,h)anthracene	190	U T	1900	2050		ug/Kg	✱	108		54 - 132
Dibenzofuran	190	U T	1900	1820		ug/Kg	✱	96		62 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187476-2 MS

Matrix: Solid

Analysis Batch: 590244

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 590019

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Added	Result					
Diethyl phthalate	190	U T	1900	2050		ug/Kg	☼	108		66 - 120
Dimethyl phthalate	190	U T	1900	1950		ug/Kg	☼	103		65 - 124
Di-n-butyl phthalate	190	U T	1900	2250		ug/Kg	☼	118		58 - 130
Di-n-octyl phthalate	190	U T	1900	2050		ug/Kg	☼	108		57 - 133
Fluoranthene	190	U T	1900	2090		ug/Kg	☼	110		62 - 120
Fluorene	190	U T	1900	1880		ug/Kg	☼	99		63 - 120
Hexachlorobenzene	190	U T	1900	2280		ug/Kg	☼	120		60 - 120
Hexachlorobutadiene	190	U	1900	1850		ug/Kg	☼	98		45 - 120
Hexachlorocyclopentadiene	190	U	1900	1670		ug/Kg	☼	88		31 - 120
Hexachloroethane	190	U	1900	1460		ug/Kg	☼	77		21 - 120
Indeno[1,2,3-cd]pyrene	190	U T	1900	1990		ug/Kg	☼	105		56 - 134
Isophorone	190	U T	1900	1750		ug/Kg	☼	92		56 - 120
Naphthalene	190	U	1900	1600		ug/Kg	☼	85		46 - 120
Nitrobenzene	190	U T	1900	1650		ug/Kg	☼	87		49 - 120
N-Nitrosodi-n-propylamine	190	U T	1900	1600		ug/Kg	☼	84		46 - 120
N-Nitrosodiphenylamine	190	U T	1900	2000		ug/Kg	☼	105		20 - 128
Pentachlorophenol	380	U	3800	4510		ug/Kg	☼	119		25 - 136
Phenanthrene	190	U T	1900	1970		ug/Kg	☼	104		60 - 122
Phenol	190	U T	1900	1550		ug/Kg	☼	81		50 - 120
Pyrene	190	U	1900	2000		ug/Kg	☼	105		61 - 133

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	126	TH	54 - 120
2-Fluorobiphenyl (Surr)	94		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	90		53 - 120
Phenol-d5 (Surr)	83		54 - 120
p-Terphenyl-d14 (Surr)	110		79 - 130

Lab Sample ID: 480-187476-2 MSD

Matrix: Solid

Analysis Batch: 590244

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 590019

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Added	Result							
1,2,4,5-Tetrachlorobenzene	190	U T	1870	1270	T	ug/Kg	☼	68		59 - 120	38	21
1,4-Dioxane	110	U	1870	621		ug/Kg	☼	33		13 - 120	33	50
2,3,4,6-Tetrachlorophenol	190	U	1870	1690		ug/Kg	☼	91		50 - 150	17	33
2,4,5-Trichlorophenol	190	U T	1870	1490	T	ug/Kg	☼	80		46 - 120	26	18
2,4,6-Trichlorophenol	190	U T	1870	1340	T	ug/Kg	☼	72		41 - 123	31	19
2,4-Dichlorophenol	190	U T	1870	1240	T	ug/Kg	☼	66		45 - 120	37	19
2,4-Dimethylphenol	190	U	1870	1190		ug/Kg	☼	64		52 - 120	38	42
2,4-Dinitrophenol	1900	U	3730	2730		ug/Kg	☼	73		41 - 146	21	22
2,4-Dinitrotoluene	190	U	1870	1610		ug/Kg	☼	86		63 - 125	20	20
2,6-Dinitrotoluene	190	U T	1870	1490	T	ug/Kg	☼	80		66 - 120	28	15
2-Chloronaphthalene	190	U T	1870	1240	T	ug/Kg	☼	67		57 - 120	32	21
2-Chlorophenol	380	U T	1870	1090	T	ug/Kg	☼	58		43 - 120	34	25
2-Methylnaphthalene	190	U T	1870	1120	T	ug/Kg	☼	60		55 - 120	36	21
2-Methylphenol	190	U T	1870	1120	T	ug/Kg	☼	60		48 - 120	38	27

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187476-2 MSD

Matrix: Solid

Analysis Batch: 590244

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 590019

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Nitroaniline	380	U T	1870	1540	T	ug/Kg	☼	83	61 - 120	25	15
2-Nitrophenol	190	U T	1870	1240	T	ug/Kg	☼	66	37 - 120	30	18
3,3'-Dichlorobenzidine	380	U	3730	3030		ug/Kg	☼	81	37 - 126	23	25
3-Nitroaniline	380	U T	1870	1410	T	ug/Kg	☼	75	48 - 120	20	19
4,6-Dinitro-2-methylphenol	380	U T	3730	3500	T	ug/Kg	☼	94	23 - 149	22	15
4-Bromophenyl phenyl ether	190	U T	1870	1820	T	ug/Kg	☼	97	58 - 120	20	15
4-Chloro-3-methylphenol	190	U	1870	1500		ug/Kg	☼	80	49 - 125	24	27
4-Chloroaniline	190	U T	1870	1100	T	ug/Kg	☼	59	38 - 120	37	22
4-Chlorophenyl phenyl ether	190	U T	1870	1500	T	ug/Kg	☼	80	63 - 124	24	16
4-Methylphenol	380	U T	1870	1110	T	ug/Kg	☼	60	50 - 120	38	24
4-Nitroaniline	380	U	1870	1490		ug/Kg	☼	80	47 - 120	21	24
4-Nitrophenol	380	U	3730	3660		ug/Kg	☼	98	31 - 147	20	25
Acenaphthene	190	U	1870	1330		ug/Kg	☼	71	60 - 120	27	35
Acenaphthylene	190	U T	1870	1380	T	ug/Kg	☼	74	58 - 121	32	18
Acetophenone	190	U T	1870	1160	T	ug/Kg	☼	62	47 - 120	37	20
Anthracene	190	U T	1870	1690	T	ug/Kg	☼	90	62 - 120	19	15
Atrazine	190	U	3730	3450		ug/Kg	☼	92	60 - 150	19	20
Benzaldehyde	190	U T	3730	2180	T	ug/Kg	☼	58	10 - 150	41	20
Benzo[a]anthracene	190	U T	1870	1680	T	ug/Kg	☼	90	65 - 120	21	15
Benzo[a]pyrene	190	U T	1870	1520	T	ug/Kg	☼	82	64 - 120	21	15
Benzo[b]fluoranthene	190	U T	1870	1670	T	ug/Kg	☼	90	10 - 150	19	15
Benzo[g,h,i]perylene	190	U T	1870	1580	T	ug/Kg	☼	85	45 - 145	21	15
Benzo[k]fluoranthene	190	U T	1870	1610	T	ug/Kg	☼	86	23 - 150	27	22
Biphenyl	190	U T	1870	1250	T	ug/Kg	☼	67	58 - 120	34	20
bis (2-chloroisopropyl) ether	190	U T	1870	910	T	ug/Kg	☼	49	31 - 120	34	24
Bis(2-chloroethoxy)methane	190	U T	1870	1150	T	ug/Kg	☼	62	52 - 120	35	17
Bis(2-chloroethyl)ether	190	U T	1870	1010	T	ug/Kg	☼	54	45 - 120	34	21
Bis(2-ethylhexyl) phthalate	190	U T	1870	1730	T	ug/Kg	☼	93	61 - 133	19	15
Butyl benzyl phthalate	190	U T	1870	1710	T	ug/Kg	☼	92	61 - 120	21	16
Caprolactam	190	U	3730	3120		ug/Kg	☼	84	37 - 133	10	20
Carbazole	190	U T	1870	1660	T	ug/Kg	☼	89	59 - 120	21	20
Chrysene	190	U T	1870	1650	T	ug/Kg	☼	88	64 - 120	18	15
Dibenz(a,h)anthracene	190	U T	1870	1660	T	ug/Kg	☼	89	54 - 132	21	15
Dibenzofuran	190	U T	1870	1400	T	ug/Kg	☼	75	62 - 120	26	15
Diethyl phthalate	190	U T	1870	1700	T	ug/Kg	☼	91	66 - 120	19	15
Dimethyl phthalate	190	U T	1870	1590	T	ug/Kg	☼	85	65 - 124	21	15
Di-n-butyl phthalate	190	U T	1870	1820	T	ug/Kg	☼	98	58 - 130	21	15
Di-n-octyl phthalate	190	U T	1870	1690	T	ug/Kg	☼	91	57 - 133	19	16
Fluoranthene	190	U T	1870	1720	T	ug/Kg	☼	92	62 - 120	20	15
Fluorene	190	U T	1870	1490	T	ug/Kg	☼	80	63 - 120	23	15
Hexachlorobenzene	190	U T	1870	1830	T	ug/Kg	☼	98	60 - 120	22	15
Hexachlorobutadiene	190	U	1870	1330		ug/Kg	☼	71	45 - 120	33	44
Hexachlorocyclopentadiene	190	U	1870	1190		ug/Kg	☼	64	31 - 120	33	49
Hexachloroethane	190	U	1870	1100		ug/Kg	☼	59	21 - 120	28	46
Indeno[1,2,3-cd]pyrene	190	U T	1870	1640	T	ug/Kg	☼	88	56 - 134	19	15
Isophorone	190	U T	1870	1240	T	ug/Kg	☼	67	56 - 120	34	17
Naphthalene	190	U	1870	1200		ug/Kg	☼	64	46 - 120	29	29
Nitrobenzene	190	U T	1870	1190	T	ug/Kg	☼	64	49 - 120	32	24
N-Nitrosodi-n-propylamine	190	U T	1870	1100	T	ug/Kg	☼	59	46 - 120	37	31

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QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187476-2 MSD

Matrix: Solid

Analysis Batch: 590244

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 590019

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine	190	U T	1870	1600	T	ug/Kg	☼	86	20 - 128	22	15
Pentachlorophenol	380	U	3730	3610		ug/Kg	☼	97	25 - 136	22	35
Phenanthrene	190	U T	1870	1600	T	ug/Kg	☼	86	60 - 122	21	15
Phenol	190	U T	1870	1070	T	ug/Kg	☼	57	50 - 120	37	35
Pyrene	190	U	1870	1690		ug/Kg	☼	90	61 - 133	17	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	101		54 - 120
2-Fluorobiphenyl (Surr)	68		60 - 120
2-Fluorophenol (Surr)	57		52 - 120
Nitrobenzene-d5 (Surr)	66		53 - 120
Phenol-d5 (Surr)	57		54 - 120
p-Terphenyl-d14 (Surr)	94		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-590168/1-A

Matrix: Solid

Analysis Batch: 590360

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590168

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
4,4'-DDE	1.6	U	1.6	0.35	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
beta-BHC	1.6	U	1.6	0.30	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endosulfan I	1.6	U	1.6	0.32	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endrin	1.6	U	1.6	0.33	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Endrin ketone	0.525	J	1.6	0.40	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
gamma-BHC (Lindane)	0.470	J	1.6	0.30	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Methoxychlor	1.6	U	1.6	0.34	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
Toxaphene	16	U	16	9.6	ug/Kg		07/23/21 08:00	07/26/21 09:13	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		07/23/21 08:00	07/26/21 09:13	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	81		45 - 120	07/23/21 08:00	07/26/21 09:13	1
DCB Decachlorobiphenyl	77		45 - 120	07/23/21 08:00	07/26/21 09:13	1
Tetrachloro-m-xylene	77		30 - 124	07/23/21 08:00	07/26/21 09:13	1
Tetrachloro-m-xylene	60		30 - 124	07/23/21 08:00	07/26/21 09:13	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-590168/2-A
Matrix: Solid
Analysis Batch: 590360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590168

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.6	16.6		ug/Kg		100	56 - 120
4,4'-DDE	16.6	14.2		ug/Kg		86	44 - 120
4,4'-DDT	16.6	15.7		ug/Kg		95	38 - 120
Aldrin	16.6	13.6		ug/Kg		82	38 - 120
alpha-BHC	16.6	13.8		ug/Kg		83	39 - 120
beta-BHC	16.6	16.0		ug/Kg		96	40 - 120
cis-Chlordane	16.6	13.7		ug/Kg		82	47 - 120
delta-BHC	16.6	15.5		ug/Kg		93	45 - 120
Dieldrin	16.6	16.1		ug/Kg		97	58 - 120
Endosulfan I	16.6	13.0		ug/Kg		78	49 - 120
Endosulfan II	16.6	14.1		ug/Kg		85	55 - 120
Endosulfan sulfate	16.6	19.0		ug/Kg		114	49 - 124
Endrin	16.6	16.5		ug/Kg		99	58 - 120
Endrin aldehyde	16.6	14.8		ug/Kg		89	37 - 121
Endrin ketone	16.6	16.4		ug/Kg		99	46 - 123
gamma-BHC (Lindane)	16.6	15.2		ug/Kg		91	50 - 120
Heptachlor	16.6	15.4		ug/Kg		93	50 - 120
Heptachlor epoxide	16.6	16.8		ug/Kg		101	50 - 120
Methoxychlor	16.6	17.9		ug/Kg		108	58 - 133
trans-Chlordane	16.6	15.9		ug/Kg		96	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	98		45 - 120
DCB Decachlorobiphenyl	94		45 - 120
Tetrachloro-m-xylene	98		30 - 124
Tetrachloro-m-xylene	75		30 - 124

Lab Sample ID: 480-187476-2 MS
Matrix: Solid
Analysis Batch: 590360

Client Sample ID: B-21-06 (3-4)(07192021)
Prep Type: Total/NA
Prep Batch: 590168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	1.9	U	18.9	20.2		ug/Kg	✱	107	37 - 126
4,4'-DDE	0.51	J	18.9	16.4		ug/Kg	✱	84	34 - 120
4,4'-DDT	1.9	U	18.9	19.6		ug/Kg	✱	103	43 - 123
Aldrin	1.9	U	18.9	16.1		ug/Kg	✱	85	37 - 125
alpha-BHC	1.9	U	18.9	15.2		ug/Kg	✱	80	39 - 120
beta-BHC	1.9	U	18.9	17.5		ug/Kg	✱	92	36 - 120
cis-Chlordane	1.9	U	18.9	14.1		ug/Kg	✱	74	35 - 120
delta-BHC	1.9	U	18.9	17.5		ug/Kg	✱	93	34 - 120
Dieldrin	1.9	U	18.9	18.5		ug/Kg	✱	98	45 - 120
Endosulfan I	1.9	U	18.9	14.6		ug/Kg	✱	77	39 - 120
Endosulfan II	1.9	U	18.9	17.2		ug/Kg	✱	91	34 - 126
Endosulfan sulfate	1.9	U TH	18.9	25.7	TH	ug/Kg	✱	136	27 - 130
Endrin	1.9	U	18.9	19.9		ug/Kg	✱	105	47 - 121
Endrin aldehyde	0.96	J	18.9	15.0		ug/Kg	✱	74	33 - 123
Endrin ketone	1.9	U	18.9	20.1		ug/Kg	✱	106	43 - 126
gamma-BHC (Lindane)	1.9	U	18.9	17.1		ug/Kg	✱	90	50 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-187476-2 MS

Client Sample ID: B-21-06 (3-4)(07192021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 590360

Prep Batch: 590168

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor	1.9	U	18.9	17.5		ug/Kg	⊛	93	42 - 120
Heptachlor epoxide	1.9	U	18.9	19.9		ug/Kg	⊛	105	40 - 120
Methoxychlor	1.9	U	18.9	21.8		ug/Kg	⊛	115	44 - 150
trans-Chlordane	1.9	U	18.9	17.2		ug/Kg	⊛	91	31 - 120

Surrogate	MS %Recovery	MS Qualifier	MS Limits
DCB Decachlorobiphenyl	100		45 - 120
DCB Decachlorobiphenyl	95		45 - 120
Tetrachloro-m-xylene	98		30 - 124
Tetrachloro-m-xylene	79		30 - 124

Lab Sample ID: 480-187476-2 MSD

Client Sample ID: B-21-06 (3-4)(07192021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 590360

Prep Batch: 590168

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	1.9	U	18.8	20.7		ug/Kg	⊛	110	37 - 126	2	21
4,4'-DDE	0.51	J	18.8	15.9		ug/Kg	⊛	82	34 - 120	3	18
4,4'-DDT	1.9	U	18.8	20.8		ug/Kg	⊛	110	43 - 123	6	25
Aldrin	1.9	U	18.8	15.1		ug/Kg	⊛	80	37 - 125	7	12
alpha-BHC	1.9	U	18.8	16.3		ug/Kg	⊛	87	39 - 120	7	15
beta-BHC	1.9	U	18.8	17.7		ug/Kg	⊛	94	36 - 120	1	19
cis-Chlordane	1.9	U	18.8	13.6		ug/Kg	⊛	72	35 - 120	4	23
delta-BHC	1.9	U	18.8	18.3		ug/Kg	⊛	97	34 - 120	4	14
Dieldrin	1.9	U	18.8	19.2		ug/Kg	⊛	102	45 - 120	3	12
Endosulfan I	1.9	U	18.8	15.2		ug/Kg	⊛	81	39 - 120	4	18
Endosulfan II	1.9	U	18.8	17.9		ug/Kg	⊛	95	34 - 126	4	26
Endosulfan sulfate	1.9	U TH	18.8	26.5	TH	ug/Kg	⊛	141	27 - 130	3	35
Endrin	1.9	U	18.8	20.2		ug/Kg	⊛	107	47 - 121	2	20
Endrin aldehyde	0.96	J	18.8	16.9		ug/Kg	⊛	85	33 - 123	12	47
Endrin ketone	1.9	U	18.8	21.7		ug/Kg	⊛	115	43 - 126	8	37
gamma-BHC (Lindane)	1.9	U	18.8	17.5		ug/Kg	⊛	93	50 - 120	3	12
Heptachlor	1.9	U	18.8	19.4		ug/Kg	⊛	103	42 - 120	10	22
Heptachlor epoxide	1.9	U	18.8	19.1		ug/Kg	⊛	101	40 - 120	4	15
Methoxychlor	1.9	U	18.8	23.2		ug/Kg	⊛	123	44 - 150	6	24
trans-Chlordane	1.9	U	18.8	16.7		ug/Kg	⊛	89	31 - 120	3	15

Surrogate	MSD %Recovery	MSD Qualifier	MSD Limits
DCB Decachlorobiphenyl	109		45 - 120
DCB Decachlorobiphenyl	96		45 - 120
Tetrachloro-m-xylene	105		30 - 124
Tetrachloro-m-xylene	84		30 - 124

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590023/1-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590023

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.25	U	0.25	0.048	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1221	0.25	U	0.25	0.048	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1232	0.25	U	0.25	0.048	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1242	0.25	U	0.25	0.048	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1248	0.25	U	0.25	0.048	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg		07/22/21 08:51	07/25/21 22:38	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg		07/22/21 08:51	07/25/21 22:38	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	131		60 - 154	07/22/21 08:51	07/25/21 22:38	1
Tetrachloro-m-xylene	133		60 - 154	07/22/21 08:51	07/25/21 22:38	1
DCB Decachlorobiphenyl	119		65 - 174	07/22/21 08:51	07/25/21 22:38	1
DCB Decachlorobiphenyl	131		65 - 174	07/22/21 08:51	07/25/21 22:38	1

Lab Sample ID: LCS 480-590023/2-A
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590023

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
PCB-1016	2.29	3.35		mg/Kg		146	51 - 185
PCB-1260	2.29	3.08		mg/Kg		134	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	152		60 - 154
Tetrachloro-m-xylene	147		60 - 154
DCB Decachlorobiphenyl	139		65 - 174
DCB Decachlorobiphenyl	151		65 - 174

Lab Sample ID: 480-187476-2 MS
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: B-21-06 (3-4)(07192021)
Prep Type: Total/NA
Prep Batch: 590023

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
PCB-1016	0.29	U	2.65	3.90		mg/Kg	⊛	147	50 - 177
PCB-1260	0.29	U	2.65	3.56		mg/Kg	⊛	134	33 - 200

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	152		60 - 154
Tetrachloro-m-xylene	165	TH	60 - 154
DCB Decachlorobiphenyl	148		65 - 174
DCB Decachlorobiphenyl	165		65 - 174

Lab Sample ID: 480-187476-2 MSD
Matrix: Solid
Analysis Batch: 590345

Client Sample ID: B-21-06 (3-4)(07192021)
Prep Type: Total/NA
Prep Batch: 590023

Analyte	Sample Sample		Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier						
PCB-1016	0.29	U	2.67	4.35		mg/Kg	⊛	163	50 - 177	11	50

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-187476-2 MSD

Client Sample ID: B-21-06 (3-4)(07192021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 590345

Prep Batch: 590023

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1260	0.29	U	2.67	4.00		mg/Kg	☼	150	33 - 200	12	50
Surrogate	MSD %Recovery	MSD Qualifier	Limits								
Tetrachloro-m-xylene	153		60 - 154								
Tetrachloro-m-xylene	169	TH	60 - 154								
DCB Decachlorobiphenyl	152		65 - 174								
DCB Decachlorobiphenyl	158		65 - 174								

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-590353/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 590765

Prep Batch: 590353

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	16	U	16	10	ug/Kg		07/26/21 06:57	07/28/21 13:50	1
Silvex (2,4,5-TP)	16	U	16	5.9	ug/Kg		07/26/21 06:57	07/28/21 13:50	1
Surrogate	MB %Recovery	MB Qualifier	Limits						
2,4-Dichlorophenylacetic acid	64		28 - 129						
2,4-Dichlorophenylacetic acid	66		28 - 129						

Lab Sample ID: LCS 480-590353/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 590765

Prep Batch: 590353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	64.6	34.0		ug/Kg		53	40 - 120
Silvex (2,4,5-TP)	64.6	32.2		ug/Kg		50	39 - 125
Surrogate	LCS %Recovery	LCS Qualifier	Limits				
2,4-Dichlorophenylacetic acid	43		28 - 129				
2,4-Dichlorophenylacetic acid	45		28 - 129				

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169341/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 169410

Prep Batch: 169341

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/22/21 09:56	07/23/21 11:46	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169341/1-A
Matrix: Solid
Analysis Batch: 169410

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169341

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		07/22/21 09:56	07/23/21 11:46	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/22/21 09:56	07/23/21 11:46	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	93		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C2 PFDoA	82		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C2 PFHxA	93		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C2 PFTeDA	71		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C2 PFUnA	81		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C3 PFBS	97		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C4 PFBA	96		25 - 150	07/22/21 09:56	07/23/21 11:46	1
13C4 PFHpA	93		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C4 PFOA	93		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C4 PFOS	98		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C5 PFNA	94		50 - 150	07/22/21 09:56	07/23/21 11:46	1
13C5 PFPeA	95		25 - 150	07/22/21 09:56	07/23/21 11:46	1
13C8 FOSA	93		25 - 150	07/22/21 09:56	07/23/21 11:46	1
18O2 PFHxS	98		50 - 150	07/22/21 09:56	07/23/21 11:46	1
d3-NMeFOSAA	75		50 - 150	07/22/21 09:56	07/23/21 11:46	1
d5-NEtFOSAA	71		50 - 150	07/22/21 09:56	07/23/21 11:46	1
M2-6:2 FTS	108		25 - 150	07/22/21 09:56	07/23/21 11:46	1
M2-8:2 FTS	96		25 - 150	07/22/21 09:56	07/23/21 11:46	1

Lab Sample ID: LCS 200-169341/2-A
Matrix: Solid
Analysis Batch: 169410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	1.94	J	ug/Kg		101	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.77	J	ug/Kg		93	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.03		ug/Kg		102	70 - 130

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169341/2-A
Matrix: Solid
Analysis Batch: 169410

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169341

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.18		ug/Kg		109	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.72		ug/Kg		97	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.03		ug/Kg		102	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.73		ug/Kg		90	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	1.95		ug/Kg		97	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	1.92		ug/Kg		96	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.92		ug/Kg		101	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	1.95		ug/Kg		98	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.84		ug/Kg		101	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.03		ug/Kg		102	70 - 130
Perfluorononanoic acid (PFNA)	2.00	2.08		ug/Kg		104	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	1.96		ug/Kg		98	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	1.80		ug/Kg		97	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	1.97		ug/Kg		98	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	1.92		ug/Kg		96	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.08		ug/Kg		104	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	1.77		ug/Kg		88	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	1.99		ug/Kg		100	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	95		50 - 150
13C2 PFDoA	86		50 - 150
13C2 PFHxA	97		50 - 150
13C2 PFTeDA	80		50 - 150
13C2 PFUnA	90		50 - 150
13C3 PFBS	104		50 - 150
13C4 PFBA	100		25 - 150
13C4 PFHpA	96		50 - 150
13C4 PFOA	95		50 - 150
13C4 PFOS	99		50 - 150
13C5 PFNA	90		50 - 150
13C5 PFPeA	98		25 - 150
13C8 FOSA	92		25 - 150
18O2 PFHxS	96		50 - 150
d3-NMeFOSAA	77		50 - 150
d5-NEtFOSAA	71		50 - 150
M2-6:2 FTS	108		25 - 150
M2-8:2 FTS	99		25 - 150

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-589895/1-A
Matrix: Solid
Analysis Batch: 590179

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589895

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	9.5	U	9.5	4.2	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Antimony	14.2	U	14.2	0.38	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Arsenic	1.9	U	1.9	0.38	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Barium	0.47	U ^	0.47	0.10	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Beryllium	0.19	U	0.19	0.026	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Cadmium	0.19	U	0.19	0.028	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Calcium	19.53	J	47.3	3.1	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Chromium	0.47	U	0.47	0.19	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Cobalt	0.47	U	0.47	0.047	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Copper	0.222	J	0.95	0.20	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Lead	0.95	U	0.95	0.23	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Magnesium	2.48	J	18.9	0.88	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Nickel	4.7	U	4.7	0.22	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Potassium	28.4	U	28.4	18.9	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Selenium	3.8	U	3.8	0.38	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Silver	0.57	U	0.57	0.19	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Sodium	132	U	132	12.3	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Thallium	5.7	U	5.7	0.28	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Vanadium	0.47	U	0.47	0.10	mg/Kg		07/21/21 18:29	07/22/21 23:16	1
Zinc	1.9	U	1.9	0.60	mg/Kg		07/21/21 18:29	07/22/21 23:16	1

Lab Sample ID: MB 480-589895/1-A
Matrix: Solid
Analysis Batch: 590388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 589895

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Iron	9.5	U	9.5	3.3	mg/Kg		07/21/21 18:29	07/23/21 14:39	1
Manganese	0.0643	J ^	0.19	0.030	mg/Kg		07/21/21 18:29	07/23/21 14:39	1

Lab Sample ID: LCSSRM 480-589895/2-A
Matrix: Solid
Analysis Batch: 590179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589895

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	
Aluminum	8190	8034		mg/Kg		98.1	50.1 - 150.2	
Antimony	110	78.77		mg/Kg		71.6	22.2 - 254.5	
Arsenic	162	130.7		mg/Kg		80.7	70.4 - 130.2	
Barium	138	118.8	^	mg/Kg		86.1	74.6 - 124.6	
Beryllium	157	141.2		mg/Kg		89.9	75.2 - 125.5	
Cadmium	135	123.0		mg/Kg		91.1	74.8 - 124.4	
Calcium	4790	4042		mg/Kg		84.4	72.7 - 127.3	
Chromium	117	106.5		mg/Kg		91.0	70.1 - 129.9	

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-589895/2-A
Matrix: Solid
Analysis Batch: 590179

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589895

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cobalt	92.6	92.69		mg/Kg		100.1	75.1 - 125.3
Copper	143	115.1		mg/Kg		80.5	74.8 - 124.5
Lead	77.6	68.83		mg/Kg		88.7	68.8 - 131.4
Magnesium	2320	2037		mg/Kg		87.8	62.1 - 137.9
Nickel	79.9	80.32		mg/Kg		100.5	70.0 - 130.2
Potassium	2050	1843		mg/Kg		89.9	59.5 - 141.0
Selenium	172	146.1		mg/Kg		84.9	68.0 - 132.6
Silver	24.7	19.52		mg/Kg		79.0	67.2 - 133.2
Sodium	137	133.1	J	mg/Kg		97.2	35.8 - 164.2
Thallium	88.0	87.86		mg/Kg		99.8	66.0 - 134.1
Vanadium	99.9	89.45		mg/Kg		89.5	67.4 - 132.1
Zinc	312	259.9		mg/Kg		83.3	69.9 - 129.8

Lab Sample ID: LCSSRM 480-589895/2-A
Matrix: Solid
Analysis Batch: 590388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 589895

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	15100	11940		mg/Kg		79.1	37.2 - 162.9
Manganese	319	317.1	^	mg/Kg		99.4	74.9 - 125.1

Lab Sample ID: 480-187476-2 MS
Matrix: Solid
Analysis Batch: 590179

Client Sample ID: B-21-06 (3-4)(07192021)
Prep Type: Total/NA
Prep Batch: 589895

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6440	TH	2440	22930	TH	mg/Kg	☼	676	75 - 125
Antimony	17.8	U TL	48.7	30.98	TL	mg/Kg	☼	64	75 - 125
Arsenic	4.2		48.7	50.74		mg/Kg	☼	95	75 - 125
Barium	15.3	^ TH	48.7	94.11	^ TH	mg/Kg	☼	162	75 - 125
Beryllium	0.37		48.7	43.74		mg/Kg	☼	89	75 - 125
Cadmium	0.24	U	48.7	45.05		mg/Kg	☼	92	75 - 125
Chromium	7.0		48.7	61.01		mg/Kg	☼	111	75 - 125
Cobalt	4.5		48.7	52.53		mg/Kg	☼	98	75 - 125
Iron	8340	TH B	2440	12740	TH	mg/Kg	☼	181	75 - 125
Lead	18.6		48.7	71.72		mg/Kg	☼	109	75 - 125
Magnesium	15200	T B	2440	21930	4	mg/Kg	☼	277	75 - 125
Manganese	346	B	48.7	411.0	4	mg/Kg	☼	132	75 - 125
Nickel	10.1		48.7	60.08		mg/Kg	☼	102	75 - 125

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-187476-2 MS

Matrix: Solid

Analysis Batch: 590179

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 589895

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Potassium	3260	TH	2440	12100	TH	mg/Kg	⊛	362		75 - 125
Silver	0.71	U	12.2	12.10		mg/Kg	⊛	99		75 - 125
Sodium	145	J	2440	2490		mg/Kg	⊛	96		75 - 125
Thallium	7.1	U	48.7	48.64		mg/Kg	⊛	100		75 - 125
Vanadium	7.9		48.7	68.16		mg/Kg	⊛	124		75 - 125
Zinc	57.2		48.7	75.91	TL	mg/Kg	⊛	38		75 - 125

Lab Sample ID: 480-187476-2 MS

Matrix: Solid

Analysis Batch: 590388

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 589895

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Calcium	194000	B TL	2440	186400	4	mg/Kg	⊛	-325		75 - 125
Copper	8.0	B	48.7	56.99		mg/Kg	⊛	101		75 - 125
Vanadium	8.0	TH	48.7	72.51	TH	mg/Kg	⊛	132		75 - 125
Zinc	63.9		48.7	86.52	TL	mg/Kg	⊛	46		75 - 125

Lab Sample ID: 480-187476-2 MS

Matrix: Solid

Analysis Batch: 591067

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 589895

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Selenium	4.8	U	48.7	42.83		mg/Kg	⊛	88		75 - 125

Lab Sample ID: 480-187476-2 MSD

Matrix: Solid

Analysis Batch: 590179

Client Sample ID: B-21-06 (3-4)(07192021)

Prep Type: Total/NA

Prep Batch: 589895

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD	Limit
	Result	Qualifier		Result	Qualifier								
Aluminum	6440	TH	2180	21310	TH	mg/Kg	⊛	684		75 - 125	7		20
Antimony	17.8	U TL	43.5	25.78	TL	mg/Kg	⊛	59		75 - 125	18		20
Arsenic	4.2		43.5	44.22		mg/Kg	⊛	92		75 - 125	14		20
Barium	15.3	^ TH	43.5	82.52	^ TH	mg/Kg	⊛	155		75 - 125	13		20
Beryllium	0.37		43.5	37.70		mg/Kg	⊛	86		75 - 125	15		20
Cadmium	0.24	U	43.5	38.89		mg/Kg	⊛	89		75 - 125	15		20
Chromium	7.0		43.5	52.76		mg/Kg	⊛	105		75 - 125	15		20
Cobalt	4.5		43.5	47.55		mg/Kg	⊛	99		75 - 125	10		20
Iron	8340	TH B	2170	11480	TH	mg/Kg	⊛	145		75 - 125	10		20
Lead	18.6		43.5	60.95		mg/Kg	⊛	97		75 - 125	16		20
Magnesium	15200	T B	2170	17800	4 T	mg/Kg	⊛	121		75 - 125	21		20
Manganese	346	B	43.5	401.3	4	mg/Kg	⊛	126		75 - 125	2		20
Nickel	10.1		43.5	52.54		mg/Kg	⊛	98		75 - 125	13		20
Potassium	3260	TH	2180	11080	TH	mg/Kg	⊛	359		75 - 125	9		20
Silver	0.71	U	10.9	10.34		mg/Kg	⊛	95		75 - 125	16		20
Sodium	145	J	2180	2172		mg/Kg	⊛	93		75 - 125	14		20
Thallium	7.1	U	43.5	41.27		mg/Kg	⊛	95		75 - 125	16		20
Vanadium	7.9		43.5	59.05		mg/Kg	⊛	118		75 - 125	14		20
Zinc	57.2		43.5	91.42		mg/Kg	⊛	79		75 - 125	19		20

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-187476-2 MSD
 Matrix: Solid
 Analysis Batch: 590388

Client Sample ID: B-21-06 (3-4)(07192021)
 Prep Type: Total/NA
 Prep Batch: 589895

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Calcium	194000	B TL	2170	188400	4	mg/Kg	☼	-272	75 - 125	1	20
Copper	8.0	B	43.5	48.30		mg/Kg	☼	93	75 - 125	17	20

Lab Sample ID: 480-187476-2 MSD
 Matrix: Solid
 Analysis Batch: 591067

Client Sample ID: B-21-06 (3-4)(07192021)
 Prep Type: Total/NA
 Prep Batch: 589895

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Selenium	4.8	U	43.5	37.29		mg/Kg	☼	86	75 - 125	14	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590115/1-A
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.019	U	0.019	0.0045	mg/Kg		07/23/21 12:57	07/23/21 15:08	1

Lab Sample ID: LCSSRM 480-590115/2-A ^10
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	Spike Added	LCSSRM	LCSSRM	Unit	D	%Rec	%Rec.
		Result	Qualifier				Limits
Mercury	27.2	24.43		mg/Kg		89.8	59.9 - 140. 1

Lab Sample ID: 480-187476-2 MS
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: B-21-06 (3-4)(07192021)
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				Limits
Mercury	0.0053	J	0.377	0.380		mg/Kg	☼	100	80 - 120

Lab Sample ID: 480-187476-2 MSD
 Matrix: Solid
 Analysis Batch: 590293

Client Sample ID: B-21-06 (3-4)(07192021)
 Prep Type: Total/NA
 Prep Batch: 590115

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits		
Mercury	0.0053	J	0.337	0.339		mg/Kg	☼	99	80 - 120	11	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-169550/31
 Matrix: Solid
 Analysis Batch: 169550

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Organic Carbon	1000	U	1000	671	mg/Kg			07/27/21 18:50	1

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QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method: Lloyd Kahn - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: LCS 200-169550/32

Matrix: Solid

Analysis Batch: 169550

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	6315		mg/Kg		76	75 - 125

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

GC/MS VOA

Prep Batch: 590632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-3	B-21-06 (4-5)(07192021)	Total/NA	Solid	5035A_L	
480-187476-5	B-21-09 (4-5)(07192021)	Total/NA	Solid	5035A_L	
480-187476-6	B-21-03 (0-1)(07192021)	Total/NA	Solid	5035A_L	
MB 480-590632/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-590632/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 590634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-3	B-21-06 (4-5)(07192021)	Total/NA	Solid	8260C	590632
480-187476-5	B-21-09 (4-5)(07192021)	Total/NA	Solid	8260C	590632
480-187476-6	B-21-03 (0-1)(07192021)	Total/NA	Solid	8260C	590632
MB 480-590632/2-A	Method Blank	Total/NA	Solid	8260C	590632
LCS 480-590632/1-A	Lab Control Sample	Total/NA	Solid	8260C	590632

GC/MS Semi VOA

Prep Batch: 590019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	3550C	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	3550C	
MB 480-590019/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590019/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	

Analysis Batch: 590244

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	8270D	590019
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	8270D	590019
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	8270D	590019
MB 480-590019/1-A	Method Blank	Total/NA	Solid	8270D	590019
LCS 480-590019/2-A	Lab Control Sample	Total/NA	Solid	8270D	590019
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	8270D	590019
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	8270D	590019

GC Semi VOA

Prep Batch: 590023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	3550C	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	3550C	
MB 480-590023/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590023/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	

Prep Batch: 590168

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	3550C	

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QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

GC Semi VOA (Continued)

Prep Batch: 590168 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	3550C	
MB 480-590168/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590168/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	3550C	

Analysis Batch: 590345

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	8082A	590023
MB 480-590023/1-A	Method Blank	Total/NA	Solid	8082A	590023
LCS 480-590023/2-A	Lab Control Sample	Total/NA	Solid	8082A	590023
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	8082A	590023
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	8082A	590023

Prep Batch: 590353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	8151A	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	8151A	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	8151A	
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 590360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	8081B	590168
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	8081B	590168
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	8081B	590168
MB 480-590168/1-A	Method Blank	Total/NA	Solid	8081B	590168
LCS 480-590168/2-A	Lab Control Sample	Total/NA	Solid	8081B	590168
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	8081B	590168
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	8081B	590168

Analysis Batch: 590444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	8082A	590023
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	8082A	590023

Analysis Batch: 590765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	8151A	590353
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	8151A	590353
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	8151A	590353
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	590353
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	590353

LCMS

Prep Batch: 169341

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-1	B-21-06 (1-2)(07192021)	Total/NA	Solid	SHAKE	
MB 200-169341/1-A	Method Blank	Total/NA	Solid	SHAKE	

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QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

LCMS (Continued)

Prep Batch: 169341 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 200-169341/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 169410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-1	B-21-06 (1-2)(07192021)	Total/NA	Solid	537 (modified)	169341
MB 200-169341/1-A	Method Blank	Total/NA	Solid	537 (modified)	169341
LCS 200-169341/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169341

Metals

Prep Batch: 589895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	3050B	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	3050B	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	3050B	
MB 480-589895/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-589895/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	3050B	
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	3050B	

Prep Batch: 590115

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	7471B	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	7471B	
MB 480-590115/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590115/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	

Analysis Batch: 590179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	6010C	589895
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	6010C	589895
MB 480-589895/1-A	Method Blank	Total/NA	Solid	6010C	589895
LCSSRM 480-589895/2-A	Lab Control Sample	Total/NA	Solid	6010C	589895
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895

Analysis Batch: 590293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	590115
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	7471B	590115
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	7471B	590115
MB 480-590115/1-A	Method Blank	Total/NA	Solid	7471B	590115
LCSSRM 480-590115/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	590115
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	590115
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	7471B	590115

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Metals

Analysis Batch: 590388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	6010C	589895
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	6010C	589895
MB 480-589895/1-A	Method Blank	Total/NA	Solid	6010C	589895
LCSSRM 480-589895/2-A	Lab Control Sample	Total/NA	Solid	6010C	589895
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895

Analysis Batch: 591067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	6010C	589895
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	6010C	589895
480-187476-2 MS	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895
480-187476-2 MSD	B-21-06 (3-4)(07192021)	Total/NA	Solid	6010C	589895

General Chemistry

Analysis Batch: 169550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-1	B-21-06 (1-2)(07192021)	Total/NA	Solid	Lloyd Kahn	
MB 200-169550/31	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-169550/32	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 169574

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-1	B-21-06 (1-2)(07192021)	Total/NA	Solid	Moisture	
480-187476-1 DU	B-21-06 (1-2)(07192021)	Total/NA	Solid	Moisture	

Analysis Batch: 589964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187476-2	B-21-06 (3-4)(07192021)	Total/NA	Solid	Moisture	
480-187476-3	B-21-06 (4-5)(07192021)	Total/NA	Solid	Moisture	
480-187476-4	B-21-09 (2-3)(07192021)	Total/NA	Solid	Moisture	
480-187476-5	B-21-09 (4-5)(07192021)	Total/NA	Solid	Moisture	
480-187476-6	B-21-03 (0-1)(07192021)	Total/NA	Solid	Moisture	
480-187476-7	B-21-03 (7-8)(07192021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (1-2)(07192021)

Lab Sample ID: 480-187476-1

Date Collected: 07/19/21 09:00

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169550	07/27/21 19:41	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	169574	07/28/21 13:04	RWM	TAL BUR

Client Sample ID: B-21-06 (1-2)(07192021)

Lab Sample ID: 480-187476-1

Date Collected: 07/19/21 09:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169341	07/22/21 09:56	CM	TAL BUR
Total/NA	Analysis	537 (modified)		1	169410	07/23/21 14:56	ND	TAL BUR

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Client Sample ID: B-21-06 (3-4)(07192021)

Lab Sample ID: 480-187476-2

Date Collected: 07/19/21 09:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590019	07/22/21 08:37	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590244	07/23/21 22:39	RJS	TAL BUF
Total/NA	Prep	3550C			590168	07/23/21 08:00	VXF	TAL BUF
Total/NA	Analysis	8081B		1	590360	07/26/21 10:31	JLS	TAL BUF
Total/NA	Prep	3550C			590023	07/22/21 08:51	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590345	07/25/21 23:29	NC	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 16:19	JLS	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	591067	07/29/21 16:27	AMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590179	07/23/21 00:25	LMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590388	07/23/21 14:47	LMH	TAL BUF
Total/NA	Prep	7471B			590115	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:28	BMB	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-06 (4-5)(07192021)

Lab Sample ID: 480-187476-3

Date Collected: 07/19/21 09:30

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Client Sample ID: B-21-06 (4-5)(07192021)

Lab Sample ID: 480-187476-3

Date Collected: 07/19/21 09:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590632	07/21/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	590634	07/27/21 21:55	CDC	TAL BUF

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Client Sample ID: B-21-09 (2-3)(07192021)

Lab Sample ID: 480-187476-4

Date Collected: 07/19/21 11:00

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590019	07/22/21 08:37	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590244	07/24/21 02:12	RJS	TAL BUF
Total/NA	Prep	3550C			590168	07/23/21 08:00	VXF	TAL BUF
Total/NA	Analysis	8081B		1	590360	07/26/21 11:29	JLS	TAL BUF
Total/NA	Prep	3550C			590023	07/22/21 08:51	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590444	07/26/21 15:13	NC	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 16:48	JLS	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	591067	07/29/21 16:50	AMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590179	07/23/21 00:43	LMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590388	07/23/21 15:05	LMH	TAL BUF
Total/NA	Prep	7471B			590115	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:33	BMB	TAL BUF

Client Sample ID: B-21-09 (4-5)(07192021)

Lab Sample ID: 480-187476-5

Date Collected: 07/19/21 11:15

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Client Sample ID: B-21-09 (4-5)(07192021)

Lab Sample ID: 480-187476-5

Date Collected: 07/19/21 11:15

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590632	07/21/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	590634	07/27/21 22:19	CDC	TAL BUF

Client Sample ID: B-21-03 (0-1)(07192021)

Lab Sample ID: 480-187476-6

Date Collected: 07/19/21 12:30

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Client Sample ID: B-21-03 (0-1)(07192021)

Lab Sample ID: 480-187476-6

Date Collected: 07/19/21 12:30

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590632	07/21/21 10:00	CDC	TAL BUF
Total/NA	Analysis	8260C		1	590634	07/27/21 22:44	CDC	TAL BUF

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	589964	07/21/21 16:02	IMZ	TAL BUF

Client Sample ID: B-21-03 (7-8)(07192021)

Lab Sample ID: 480-187476-7

Date Collected: 07/19/21 12:45

Matrix: Solid

Date Received: 07/21/21 08:00

Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590019	07/22/21 08:37	VXF	TAL BUF
Total/NA	Analysis	8270D		1	590244	07/24/21 02:36	RJS	TAL BUF
Total/NA	Prep	3550C			590168	07/23/21 08:00	VXF	TAL BUF
Total/NA	Analysis	8081B		1	590360	07/26/21 11:49	JLS	TAL BUF
Total/NA	Prep	3550C			590023	07/22/21 08:51	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590444	07/26/21 15:26	NC	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 17:18	JLS	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	591067	07/29/21 17:01	AMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590179	07/23/21 00:47	LMH	TAL BUF
Total/NA	Prep	3050B			589895	07/21/21 18:29	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590388	07/23/21 15:09	LMH	TAL BUF
Total/NA	Prep	7471B			590115	07/23/21 12:57	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590293	07/23/21 15:34	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	SHAKE	Solid	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	SHAKE	Solid	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	SHAKE	Solid	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	SHAKE	Solid	Perfluorobutanoic acid (PFBA)
537 (modified)	SHAKE	Solid	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	SHAKE	Solid	Perfluorodecanoic acid (PFDA)
537 (modified)	SHAKE	Solid	Perfluorododecanoic acid (PFDoA)
537 (modified)	SHAKE	Solid	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	SHAKE	Solid	Perfluoroheptanoic acid (PFHpA)
537 (modified)	SHAKE	Solid	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	SHAKE	Solid	Perfluorohexanoic acid (PFHxA)
537 (modified)	SHAKE	Solid	Perfluorononanoic acid (PFNA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	SHAKE	Solid	Perfluorooctanoic acid (PFOA)
537 (modified)	SHAKE	Solid	Perfluoropentanoic acid (PFPeA)
537 (modified)	SHAKE	Solid	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	SHAKE	Solid	Perfluorotridecanoic acid (PFTriA)
537 (modified)	SHAKE	Solid	Perfluoroundecanoic acid (PFUnA)
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUR
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187476-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187476-1	B-21-06 (1-2)(07192021)	Solid	07/19/21 09:00	07/21/21 08:00
480-187476-2	B-21-06 (3-4)(07192021)	Solid	07/19/21 09:15	07/21/21 08:00
480-187476-3	B-21-06 (4-5)(07192021)	Solid	07/19/21 09:30	07/21/21 08:00
480-187476-4	B-21-09 (2-3)(07192021)	Solid	07/19/21 11:00	07/21/21 08:00
480-187476-5	B-21-09 (4-5)(07192021)	Solid	07/19/21 11:15	07/21/21 08:00
480-187476-6	B-21-03 (0-1)(07192021)	Solid	07/19/21 12:30	07/21/21 08:00
480-187476-7	B-21-03 (7-8)(07192021)	Solid	07/19/21 12:45	07/21/21 08:00

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Chain of Custody Record

PEAS → BUT From Sp. 12-10

Client Information Client Contact: Mr. Robert Sents Company: ERM-Northeast Address: 5784 Widewaters Pkwy City: Dewitt State, Zip: NY, 13214 Phone: 315-445-2543(Tel) Email: robert.sents@erm.com Project Name: Li-Cycle: Lidestri-Ridgeway Property Site:		Lab PM: Schove, John R E-Mail: John.Schove@Eurofinset.com Camer Tracking No(s): Syracuse Date of Origin: #225 COC No: 480-162811-35773.3 Page: 1 Page 3 of 8 Job #:	
Due Date Requested: TAT Requested (days): Standard Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: Purchase Order Requested W/O #: Project #: 48023985 SSO#:		Analysis Requested: #225 Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid M - Hexane N - None O - AsNaO2 P - Na2O4S anhydrate (ity)	
Sample Identification Sample Date Sample Time Sample Type (C=Comp, G=grab) Matrix (W=water, S=solid, O=soil, BI=tissue, A=Air) Preservation Code		Field Filtered Sample (Yes or No) Reform MS/MSD (Yes or No) 8260C - TCL VOCs + 10 TTCs 6010C, 7471B 8081B, 8082A, 8151A, 8270D PEAS (21 Analytes) TTC by Lloyd Kahn Total Number of C	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify) IV		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: ASP Cat B Delin. Tables	
Relinquished by: <i>Robert Sents</i> Relinquished by: <i>Robert Sents</i> Relinquished by:		Received by: <i>John Schove</i> Received by: Received by:	
Date: 7/20/21 15:15 Date: 7-20-21 19:00 Date:		Date/Time: 7/20/21 15:15 Date/Time: Date/Time: 7/21/21 08:00 Date/Time:	
Company: ERM Company: ERM Company:		Company: ES-SK Company: Company:	
Custody Seal No.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <i>3.2 #1</i>	

SHORT HOLD



ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 20JUL21
ACTWGT: 4.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

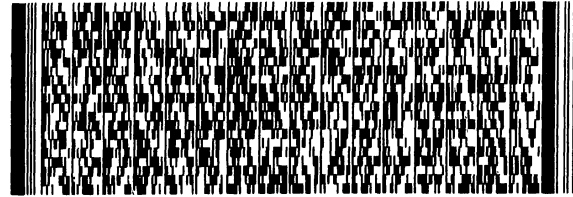
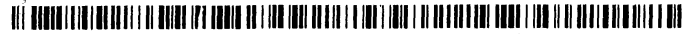
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1990

REF: ERM PFAS 1COOLER



FedEx
Express



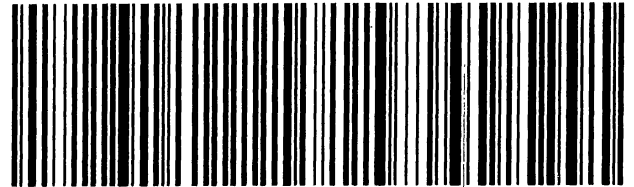
TRK# 9735 8147 0623

0201

WED - 21 JUL 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187476-1

Login Number: 187476

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	T CORES FROZEN @ 1000 7/21
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187476-1

Login Number: 187476

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/21/21 01:20 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520945
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.9°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187577-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:
8/2/2021 3:04:27 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Job ID: 480-187577-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187577-1

Comments

No additional comments.

Receipt

The samples were received on 7/23/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8° C and 3.0° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-590234 recovered outside acceptance criteria, low biased, for Cyclohexane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The associated samples are: B-21-04(4-5)(072121) (480-187577-3), B-21-17(2-3)(072121) (480-187577-5), TP-21-05(072221) (480-187577-6), B-21-105(5-6)(072221) (480-187577-7), B-21-105(9-10)(072221) (480-187577-8), B-21-104(0-1)(072221) (480-187577-9) and B-21-117(3-4)(072221) (480-187577-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-590234 recovered above the upper control limit for Chloroethane, Chloromethane, Trichlorofluoromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-04(4-5)(072121) (480-187577-3), B-21-17(2-3)(072121) (480-187577-5), TP-21-05(072221) (480-187577-6), B-21-105(5-6)(072221) (480-187577-7), B-21-105(9-10)(072221) (480-187577-8), B-21-104(0-1)(072221) (480-187577-9) and B-21-117(3-4)(072221) (480-187577-14).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-590253 and analytical batch 480-590234 recovered outside control limits for the following analytes: Chloromethane, Chloroethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-04(4-5)(072121) (480-187577-3), B-21-17(2-3)(072121) (480-187577-5), TP-21-05(072221) (480-187577-6), B-21-105(5-6)(072221) (480-187577-7), B-21-105(9-10)(072221) (480-187577-8), B-21-104(0-1)(072221) (480-187577-9) and B-21-117(3-4)(072221) (480-187577-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The method blank for preparation batch 480-590373 contained Di-n-butyl phthalate above the reporting limit (RL). None of the samples associated with this method blank contained the target compound above the RL; therefore, re-extraction and/or re-analysis of samples were not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: Surrogate recovery for the following samples were outside the upper control limit: B-21-04(2-3)(072121) (480-187577-2), B-21-104(2-3)(072221) (480-187577-10), B-21-105(0-1)(072221) (480-187577-11) and B-21-117(0-1)(072221) (480-187577-13). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-590680 recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-04(2-3)(072121) (480-187577-2), B-21-17(0-1)(072121) (480-187577-4), B-21-104(2-3)(072221) (480-187577-10), B-21-105(0-1)(072221) (480-187577-11), B-21-114(2-3)(072221) (480-187577-12) and B-21-117(0-1)(072221) (480-187577-13).

Method 8081B: The laboratory control sample (LCS) for preparation batch 480-590506 and analytical batch 480-590680 recovered outside control limits for the following analytes: 4,4'-DDT, Endosulfan sulfate and Methoxychlor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Job ID: 480-187577-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-04(2-3) (072121) (480-187577-2), B-21-17(0-1)(072121) (480-187577-4), B-21-105(0-1)(072221) (480-187577-11) and B-21-114(2-3)(072221) (480-187577-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): Method 537 (modified): The "I" qualifier associated with sample B-21-04(0-1)(072121) (480-187577-1) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: B-21-04(2-3) (072121) (480-187577-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(0-1)(072121)

Lab Sample ID: 480-187577-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.022	J	0.26	0.012	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	1.1		0.65	0.21	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.045	J	0.26	0.016	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.090	J	0.26	0.026	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.025	J I	0.26	0.018	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.15	J	0.26	0.029	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.12	J	0.26	0.023	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.4	I	0.26	0.021	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.27		0.26	0.032	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.41		0.26	0.051	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.022	J	0.26	0.019	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.060	J	0.26	0.026	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	29800		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	58	J B	210	36	ug/Kg	1	✳	8270D	Total/NA
alpha-BHC	0.63	J	2.1	0.37	ug/Kg	1	✳	8081B	Total/NA
beta-BHC	0.55	J	2.1	0.37	ug/Kg	1	✳	8081B	Total/NA
Endrin aldehyde	0.63	J	2.1	0.53	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.68	J B	2.1	0.38	ug/Kg	1	✳	8081B	Total/NA
Aluminum	10900		13.0	5.7	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.1		2.6	0.52	mg/Kg	1	✳	6010C	Total/NA
Barium	26.9		0.65	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.55		0.26	0.036	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.044	J	0.26	0.039	mg/Kg	1	✳	6010C	Total/NA
Calcium	160000	B	130	8.6	mg/Kg	2	✳	6010C	Total/NA
Chromium	10.7	B	0.65	0.26	mg/Kg	1	✳	6010C	Total/NA
Cobalt	3.9		0.65	0.065	mg/Kg	1	✳	6010C	Total/NA
Copper	8.9		2.6	0.55	mg/Kg	2	✳	6010C	Total/NA
Iron	11900		13.0	4.6	mg/Kg	1	✳	6010C	Total/NA
Lead	21.4		1.3	0.31	mg/Kg	1	✳	6010C	Total/NA
Magnesium	15600		26.1	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	255	B	0.26	0.042	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.0		6.5	0.30	mg/Kg	1	✳	6010C	Total/NA
Potassium	4270		39.1	26.1	mg/Kg	1	✳	6010C	Total/NA
Sodium	144	J	182	16.9	mg/Kg	1	✳	6010C	Total/NA
Vanadium	12.4		0.65	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	16.6		2.6	0.83	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0081	J	0.024	0.0056	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-04(4-5)(072121)

Lab Sample ID: 480-187577-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	19	J	28	4.7	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	50	J B	190	33	ug/Kg	1	✳	8270D	Total/NA
delta-BHC	0.53	J	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(0-1)(072121) (Continued)

Lab Sample ID: 480-187577-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.57	J B	1.9	0.34	ug/Kg	1	☒	8081B	Total/NA
Aluminum	10600		11.9	5.2	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.3		2.4	0.48	mg/Kg	1	☒	6010C	Total/NA
Barium	21.1		0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.55		0.24	0.033	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.039	J	0.24	0.036	mg/Kg	1	☒	6010C	Total/NA
Calcium	126000	B	119	7.8	mg/Kg	2	☒	6010C	Total/NA
Chromium	11.0	B	0.59	0.24	mg/Kg	1	☒	6010C	Total/NA
Cobalt	4.5		0.59	0.059	mg/Kg	1	☒	6010C	Total/NA
Copper	7.1		2.4	0.50	mg/Kg	2	☒	6010C	Total/NA
Iron	11300		11.9	4.2	mg/Kg	1	☒	6010C	Total/NA
Lead	14.3		1.2	0.29	mg/Kg	1	☒	6010C	Total/NA
Magnesium	27400		23.8	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	257	B	0.24	0.038	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.5		5.9	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	4630		35.6	23.8	mg/Kg	1	☒	6010C	Total/NA
Sodium	141	J	166	15.4	mg/Kg	1	☒	6010C	Total/NA
Vanadium	12.7		0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	8.8		2.4	0.76	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: B-21-17(2-3)(072121)

Lab Sample ID: 480-187577-5

No Detections.

Client Sample ID: TP-21-05(072221)

Lab Sample ID: 480-187577-6

No Detections.

Client Sample ID: B-21-105(5-6)(072221)

Lab Sample ID: 480-187577-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.9	J	27	4.6	ug/Kg	1	☒	8260C	Total/NA
Toluene	0.84	J	5.5	0.41	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-105(9-10)(072221)

Lab Sample ID: 480-187577-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	27	4.6	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-104(0-1)(072221)

Lab Sample ID: 480-187577-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.0	J	27	4.5	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	240		200	39	ug/Kg	1	☒	8270D	Total/NA
Benzo[a]anthracene	26	J	200	20	ug/Kg	1	☒	8270D	Total/NA
Benzo[b]fluoranthene	32	J	200	31	ug/Kg	1	☒	8270D	Total/NA
Benzo[g,h,i]perylene	29	J	200	21	ug/Kg	1	☒	8270D	Total/NA
Dibenzofuran	54	J	200	23	ug/Kg	1	☒	8270D	Total/NA
Di-n-butyl phthalate	52	J B	200	33	ug/Kg	1	☒	8270D	Total/NA
Fluoranthene	52	J	200	21	ug/Kg	1	☒	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(2-3)(072221) (Continued)

Lab Sample ID: 480-187577-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	25	J	200	24	ug/Kg	1	✳	8270D	Total/NA
Naphthalene	190	J	200	25	ug/Kg	1	✳	8270D	Total/NA
Phenanthrene	99	J	200	29	ug/Kg	1	✳	8270D	Total/NA
Pyrene	49	J	200	23	ug/Kg	1	✳	8270D	Total/NA
4,4'-DDD	0.66	J B	1.9	0.37	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.63	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	17000		11.6	5.1	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.5		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	155		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	1.0		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.23		0.23	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	9580	B	57.8	3.8	mg/Kg	1	✳	6010C	Total/NA
Chromium	16.1	B	0.58	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.2		0.58	0.058	mg/Kg	1	✳	6010C	Total/NA
Copper	11.9		1.2	0.24	mg/Kg	1	✳	6010C	Total/NA
Iron	24200		11.6	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	8.0		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	1320		23.1	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	85.3	B	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	14.0		5.8	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	1240		34.7	23.1	mg/Kg	1	✳	6010C	Total/NA
Selenium	1.9	J	4.6	0.46	mg/Kg	1	✳	6010C	Total/NA
Silver	3.4		0.69	0.23	mg/Kg	1	✳	6010C	Total/NA
Sodium	1050		162	15.0	mg/Kg	1	✳	6010C	Total/NA
Vanadium	19.6		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	28.9		2.3	0.74	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.027		0.016	0.0037	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	70	J B	200	34	ug/Kg	1	✳	8270D	Total/NA
delta-BHC	0.57	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.71	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9710		12.4	5.4	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.0		2.5	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	14.7		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.52		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	151000	B	124	8.2	mg/Kg	2	✳	6010C	Total/NA
Chromium	10	B	0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.3		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	5.8		2.5	0.52	mg/Kg	2	✳	6010C	Total/NA
Iron	10900		12.4	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	19.2		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	41800		24.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	270	B	0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.8		6.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4730		37.1	24.7	mg/Kg	1	✳	6010C	Total/NA
Sodium	168	J	173	16.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.6		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	7.8		2.5	0.79	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(0-1)(072221) (Continued)

Lab Sample ID: 480-187577-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Mercury	0.0059	J	0.024	0.0054	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-114(2-3)(072221)

Lab Sample ID: 480-187577-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	55	J B	190	33	ug/Kg	1	☒	8270D	Total/NA
gamma-BHC (Lindane)	0.50	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
Aluminum	6190		12.0	5.3	mg/Kg	1	☒	6010C	Total/NA
Arsenic	7.2		2.4	0.48	mg/Kg	1	☒	6010C	Total/NA
Barium	10		0.60	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.39		0.24	0.034	mg/Kg	1	☒	6010C	Total/NA
Calcium	195000	B	120	7.9	mg/Kg	2	☒	6010C	Total/NA
Chromium	7.1	B	0.60	0.24	mg/Kg	1	☒	6010C	Total/NA
Cobalt	7.1		0.60	0.060	mg/Kg	1	☒	6010C	Total/NA
Copper	10.8		2.4	0.50	mg/Kg	2	☒	6010C	Total/NA
Iron	13100		12.0	4.2	mg/Kg	1	☒	6010C	Total/NA
Lead	35.2		1.2	0.29	mg/Kg	1	☒	6010C	Total/NA
Magnesium	29600		24.0	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	344	B	0.24	0.038	mg/Kg	1	☒	6010C	Total/NA
Nickel	16.2		6.0	0.28	mg/Kg	1	☒	6010C	Total/NA
Potassium	3360		36.0	24.0	mg/Kg	1	☒	6010C	Total/NA
Sodium	177		168	15.6	mg/Kg	1	☒	6010C	Total/NA
Vanadium	8.8		0.60	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	6.4		2.4	0.77	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0062	J	0.025	0.0057	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	84	J B	190	33	ug/Kg	1	☒	8270D	Total/NA
Fluoranthene	20	J	190	20	ug/Kg	1	☒	8270D	Total/NA
gamma-BHC (Lindane)	0.61	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
Aluminum	12900		11.8	5.2	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.7		2.4	0.47	mg/Kg	1	☒	6010C	Total/NA
Barium	29.9		0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.62		0.24	0.033	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.092	J	0.24	0.035	mg/Kg	1	☒	6010C	Total/NA
Calcium	103000	B	58.9	3.9	mg/Kg	1	☒	6010C	Total/NA
Chromium	13.0	B	0.59	0.24	mg/Kg	1	☒	6010C	Total/NA
Cobalt	5.2		0.59	0.059	mg/Kg	1	☒	6010C	Total/NA
Copper	6.4		1.2	0.25	mg/Kg	1	☒	6010C	Total/NA
Iron	12500		11.8	4.1	mg/Kg	1	☒	6010C	Total/NA
Lead	19.5		1.2	0.28	mg/Kg	1	☒	6010C	Total/NA
Magnesium	28000		23.5	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	283	B	0.24	0.038	mg/Kg	1	☒	6010C	Total/NA
Nickel	12.0		5.9	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	4850		35.3	23.5	mg/Kg	1	☒	6010C	Total/NA
Sodium	146	J	165	15.3	mg/Kg	1	☒	6010C	Total/NA
Vanadium	15.9		0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	12.1		2.4	0.75	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0075	J	0.022	0.0052	mg/Kg	1	☒	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(3-4)(072221)

Lab Sample ID: 480-187577-14

No Detections.

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(0-1)(072121)

Lab Sample ID: 480-187577-1

Date Collected: 07/21/21 11:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 75.8

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.6	U	2.6	0.021	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.6	U	2.6	0.040	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.6	U	2.6	0.060	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.6	U	2.6	0.048	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorobutanesulfonic acid (PFBS)	0.022	J	0.26	0.012	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorobutanoic acid (PFBA)	1.1		0.65	0.21	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorodecanesulfonic acid (PFDS)	0.26	U	0.26	0.016	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorodecanoic acid (PFDA)	0.045	J	0.26	0.016	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorododecanoic acid (PFDoA)	0.26	U	0.26	0.027	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.26	U	0.26	0.019	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluoroheptanoic acid (PFHpA)	0.090	J	0.26	0.026	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.025	J I	0.26	0.018	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorohexanoic acid (PFHxA)	0.15	J	0.26	0.029	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorononanoic acid (PFNA)	0.12	J	0.26	0.023	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorooctanesulfonamide (PFOSA)	0.26	U	0.26	0.022	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorooctanesulfonic acid (PFOS)	2.4	I	0.26	0.021	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorooctanoic acid (PFOA)	0.27		0.26	0.032	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluoropentanoic acid (PFPeA)	0.41		0.26	0.051	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorotetradecanoic acid (PFTeA)	0.26	U	0.26	0.030	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluorotridecanoic acid (PFTriA)	0.022	J	0.26	0.019	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1
Perfluoroundecanoic acid (PFUnA)	0.060	J	0.26	0.026	ug/Kg	☼	07/26/21 14:06	07/27/21 18:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	78		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C2 PFDoA	81		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C2 PFHxA	81		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C2 PFTeDA	84		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C2 PFUnA	78		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C3 PFBS	75		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C4 PFBA	87		25 - 150	07/26/21 14:06	07/27/21 18:45	1
13C4 PFHpA	82		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C4 PFOA	83		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C4 PFOS	79		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C5 PFNA	84		50 - 150	07/26/21 14:06	07/27/21 18:45	1
13C5 PFPeA	80		25 - 150	07/26/21 14:06	07/27/21 18:45	1
13C8 FOSA	72		25 - 150	07/26/21 14:06	07/27/21 18:45	1
18O2 PFHxS	77		50 - 150	07/26/21 14:06	07/27/21 18:45	1
d3-NMeFOSAA	71		50 - 150	07/26/21 14:06	07/27/21 18:45	1
d5-NEtFOSAA	82		50 - 150	07/26/21 14:06	07/27/21 18:45	1
M2-6:2 FTS	99		25 - 150	07/26/21 14:06	07/27/21 18:45	1
M2-8:2 FTS	87		25 - 150	07/26/21 14:06	07/27/21 18:45	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(0-1)(072121)

Lab Sample ID: 480-187577-1

Date Collected: 07/21/21 11:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 75.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	29800		1000	671	mg/Kg			07/28/21 17:01	1

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 79.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	36	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
1,4-Dioxane	120	U	120	68	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,3,4,6-Tetrachlorophenol	210	U	210	43	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4,5-Trichlorophenol	210	U	210	57	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4,6-Trichlorophenol	210	U	210	42	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4-Dimethylphenol	210	U	210	51	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4-Dinitrophenol	2000	U	2000	970	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,4-Dinitrotoluene	210	U	210	43	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2,6-Dinitrotoluene	210	U	210	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Chloronaphthalene	210	U	210	35	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Chlorophenol	410	U	410	38	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Methylnaphthalene	210	U	210	42	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Methylphenol	210	U	210	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Nitroaniline	410	U	410	31	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
2-Nitrophenol	210	U	210	59	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
3,3'-Dichlorobenzidine	410	U	410	250	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
3-Nitroaniline	410	U	410	58	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4,6-Dinitro-2-methylphenol	410	U	410	210	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Bromophenyl phenyl ether	210	U	210	30	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Chloro-3-methylphenol	210	U	210	52	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Chloroaniline	210	U	210	52	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Chlorophenyl phenyl ether	210	U	210	26	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Methylphenol	410	U	410	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Nitroaniline	410	U	410	110	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
4-Nitrophenol	410	U	410	150	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Acenaphthene	210	U	210	31	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Acenaphthylene	210	U	210	27	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Acetophenone	210	U	210	28	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Anthracene	210	U	210	52	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Atrazine	210	U	210	73	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzaldehyde	210	U	210	170	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzo[a]pyrene	210	U	210	31	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Biphenyl	210	U	210	31	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
bis (2-chloroisopropyl) ether	210	U	210	42	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1
Bis(2-ethylhexyl) phthalate	210	U	210	72	ug/Kg	✱	07/26/21 08:36	07/27/21 18:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 79.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	210	U	210	35	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Caprolactam	210	U	210	63	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Carbazole	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Chrysene	210	U	210	47	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Dibenz(a,h)anthracene	210	U	210	37	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Dibenzofuran	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Dimethyl phthalate	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Di-n-butyl phthalate	58	J B	210	36	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Di-n-octyl phthalate	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Fluorene	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Hexachlorobutadiene	210	U	210	31	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Indeno[1,2,3-cd]pyrene	210	U	210	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Isophorone	210	U	210	44	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
N-Nitrosodi-n-propylamine	210	U	210	36	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Pentachlorophenol	410	U	410	210	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Phenanthrene	210	U	210	31	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Phenol	210	U	210	32	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1
Pyrene	210	U	210	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:10	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3100	T J	ug/Kg	☼	1.86		07/26/21 08:36	07/27/21 18:10	1
Unknown	180	T J	ug/Kg	☼	2.28		07/26/21 08:36	07/27/21 18:10	1
Unknown	350	T J	ug/Kg	☼	3.25		07/26/21 08:36	07/27/21 18:10	1
Ethane, 1,1,2,2-tetrachloro-	410	T J N	ug/Kg	☼	4.40	79-34-5	07/26/21 08:36	07/27/21 18:10	1
9-Octadecenamide, (Z)-	170	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 18:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		54 - 120	07/26/21 08:36	07/27/21 18:10	1
2-Fluorobiphenyl (Surr)	107		60 - 120	07/26/21 08:36	07/27/21 18:10	1
2-Fluorophenol (Surr)	90		52 - 120	07/26/21 08:36	07/27/21 18:10	1
Nitrobenzene-d5 (Surr)	96		53 - 120	07/26/21 08:36	07/27/21 18:10	1
Phenol-d5 (Surr)	92		54 - 120	07/26/21 08:36	07/27/21 18:10	1
p-Terphenyl-d14 (Surr)	112		79 - 130	07/26/21 08:36	07/27/21 18:10	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.1	U	2.1	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
4,4'-DDE	2.1	U	2.1	0.43	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
4,4'-DDT	2.1	U TH	2.1	0.48	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Aldrin	2.1	U	2.1	0.51	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
alpha-BHC	0.63	J	2.1	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
beta-BHC	0.55	J	2.1	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 79.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	2.1	U	2.1	1.0	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
delta-BHC	2.1	U	2.1	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Dieldrin	2.1	U	2.1	0.50	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endosulfan I	2.1	U	2.1	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endosulfan II	2.1	U	2.1	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endosulfan sulfate	2.1	U TH	2.1	0.39	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endrin	2.1	U	2.1	0.41	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endrin aldehyde	0.63	J	2.1	0.53	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Endrin ketone	2.1	U	2.1	0.51	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
gamma-BHC (Lindane)	0.68	J B	2.1	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Heptachlor	2.1	U	2.1	0.45	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Heptachlor epoxide	2.1	U	2.1	0.53	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Methoxychlor	2.1	U TH	2.1	0.42	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Toxaphene	21	U	21	12	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
trans-Chlordane	2.1	U	2.1	0.66	ug/Kg	☼	07/27/21 08:13	07/28/21 11:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	86		45 - 120				07/27/21 08:13	07/28/21 11:46	1
DCB Decachlorobiphenyl	82		45 - 120				07/27/21 08:13	07/28/21 11:46	1
Tetrachloro-m-xylene	92		30 - 124				07/27/21 08:13	07/28/21 11:46	1
Tetrachloro-m-xylene	70		30 - 124				07/27/21 08:13	07/28/21 11:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	07/26/21 14:45	07/27/21 22:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	156	TH	60 - 154				07/26/21 14:45	07/27/21 22:37	1
Tetrachloro-m-xylene	152		60 - 154				07/26/21 14:45	07/27/21 22:37	1
DCB Decachlorobiphenyl	151		65 - 174				07/26/21 14:45	07/27/21 22:37	1
DCB Decachlorobiphenyl	146		65 - 174				07/26/21 14:45	07/27/21 22:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	07/26/21 06:57	07/28/21 17:47	1
Silvex (2,4,5-TP)	20	U	20	7.3	ug/Kg	☼	07/26/21 06:57	07/28/21 17:47	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 129				07/26/21 06:57	07/28/21 17:47	1
2,4-Dichlorophenylacetic acid	68		28 - 129				07/26/21 06:57	07/28/21 17:47	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10900		13.0	5.7	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Antimony	19.5	U	19.5	0.52	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 79.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	6.1		2.6	0.52	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Barium	26.9		0.65	0.14	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Beryllium	0.55		0.26	0.036	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Cadmium	0.044	J	0.26	0.039	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Calcium	160000	B	130	8.6	mg/Kg	☼	07/26/21 13:53	07/28/21 15:33	2
Chromium	10.7	B	0.65	0.26	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Cobalt	3.9		0.65	0.065	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Copper	8.9		2.6	0.55	mg/Kg	☼	07/26/21 13:53	07/28/21 15:33	2
Iron	11900		13.0	4.6	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Lead	21.4		1.3	0.31	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Magnesium	15600		26.1	1.2	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Manganese	255	B	0.26	0.042	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Nickel	11.0		6.5	0.30	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Potassium	4270		39.1	26.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Selenium	5.2	U	5.2	0.52	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Silver	0.78	U	0.78	0.26	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Sodium	144	J	182	16.9	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Thallium	7.8	U	7.8	0.39	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Vanadium	12.4		0.65	0.14	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1
Zinc	16.6		2.6	0.83	mg/Kg	☼	07/26/21 13:53	07/27/21 22:34	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0081	J	0.024	0.0056	mg/Kg	☼	07/27/21 13:20	07/27/21 15:56	1

Client Sample ID: B-21-04(4-5)(072121)

Lab Sample ID: 480-187577-3

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.6	U	5.6	0.41	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,1,2,2-Tetrachloroethane	5.6	U	5.6	0.91	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.6	U	5.6	1.3	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,1,2-Trichloroethane	5.6	U	5.6	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,1-Dichloroethane	5.6	U	5.6	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,1-Dichloroethene	5.6	U	5.6	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2,4-Trichlorobenzene	5.6	U	5.6	0.34	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2-Dibromo-3-Chloropropane	5.6	U	5.6	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2-Dibromoethane	5.6	U	5.6	0.72	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2-Dichlorobenzene	5.6	U	5.6	0.44	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2-Dichloroethane	5.6	U	5.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,2-Dichloropropane	5.6	U	5.6	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,3-Dichlorobenzene	5.6	U	5.6	0.29	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
1,4-Dichlorobenzene	5.6	U	5.6	0.79	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
2-Butanone (MEK)	28	U	28	2.1	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
2-Hexanone	28	U	28	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
4-Methyl-2-pentanone (MIBK)	28	U	28	1.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Acetone	19	J	28	4.7	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Benzene	5.6	U	5.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(4-5)(072121)

Lab Sample ID: 480-187577-3

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	5.6	U	5.6	0.75	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Bromoform	5.6	U	5.6	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Bromomethane	5.6	U	5.6	0.51	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Carbon disulfide	5.6	U	5.6	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Carbon tetrachloride	5.6	U	5.6	0.54	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Chlorobenzene	5.6	U	5.6	0.74	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Chloroethane	5.6	U TH	5.6	1.3	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Chloroform	5.6	U	5.6	0.35	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Chloromethane	5.6	U TH	5.6	0.34	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
cis-1,2-Dichloroethene	5.6	U	5.6	0.72	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
cis-1,3-Dichloropropene	5.6	U	5.6	0.81	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Cyclohexane	5.6	U	5.6	0.79	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Dibromochloromethane	5.6	U	5.6	0.72	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Dichlorodifluoromethane	5.6	U	5.6	0.46	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Ethylbenzene	5.6	U	5.6	0.39	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Isopropylbenzene	5.6	U	5.6	0.85	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Methyl acetate	28	U	28	3.4	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Methyl tert-butyl ether	5.6	U	5.6	0.55	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Methylcyclohexane	5.6	U	5.6	0.85	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Methylene Chloride	5.6	U	5.6	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Styrene	5.6	U	5.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Tetrachloroethene	5.6	U	5.6	0.75	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Toluene	5.6	U	5.6	0.43	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
trans-1,2-Dichloroethene	5.6	U	5.6	0.58	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
trans-1,3-Dichloropropene	5.6	U	5.6	2.5	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Trichloroethene	5.6	U	5.6	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Trichlorofluoromethane	5.6	U	5.6	0.53	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Vinyl chloride	5.6	U TH	5.6	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1
Xylenes, Total	11	U	11	0.94	ug/Kg	☼	07/23/21 10:00	07/23/21 20:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 20:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	113		64 - 126	07/23/21 10:00	07/23/21 20:53	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/23/21 10:00	07/23/21 20:53	1
Dibromofluoromethane (Surr)	105		60 - 140	07/23/21 10:00	07/23/21 20:53	1
Toluene-d8 (Surr)	101		71 - 125	07/23/21 10:00	07/23/21 20:53	1

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Chlorophenol	370	U	370	35	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Methylphenol	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Nitroaniline	370	U	370	28	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
2-Nitrophenol	190	U	190	54	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
3,3'-Dichlorobenzidine	370	U	370	230	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
3-Nitroaniline	370	U	370	53	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Chloroaniline	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Methylphenol	370	U	370	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Nitroaniline	370	U	370	100	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
4-Nitrophenol	370	U	370	130	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Acenaphthene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Acenaphthylene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Acetophenone	190	U	190	26	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Anthracene	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Atrazine	190	U	190	67	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Biphenyl	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Caprolactam	190	U	190	58	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Carbazole	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Chrysene	190	U	190	43	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Dibenzofuran	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Diethyl phthalate	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Dimethyl phthalate	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Di-n-butyl phthalate	50	J B	190	33	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Fluoranthene	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1
Fluorene	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 18:34	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Isophorone	190	U	190	41	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Phenol	190	U	190	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1
Pyrene	190	U	190	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:34	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2800	T J	ug/Kg	☼	1.86		07/26/21 08:36	07/27/21 18:34	1
Unknown	270	T J	ug/Kg	☼	3.27		07/26/21 08:36	07/27/21 18:34	1
9-Octadecenamide, (Z)-	800	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 18:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		54 - 120	07/26/21 08:36	07/27/21 18:34	1
2-Fluorobiphenyl (Surr)	80		60 - 120	07/26/21 08:36	07/27/21 18:34	1
2-Fluorophenol (Surr)	71		52 - 120	07/26/21 08:36	07/27/21 18:34	1
Nitrobenzene-d5 (Surr)	73		53 - 120	07/26/21 08:36	07/27/21 18:34	1
Phenol-d5 (Surr)	71		54 - 120	07/26/21 08:36	07/27/21 18:34	1
p-Terphenyl-d14 (Surr)	91		79 - 130	07/26/21 08:36	07/27/21 18:34	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
4,4'-DDT	1.9	U TH	1.9	0.43	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
alpha-BHC	1.9	U	1.9	0.33	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
beta-BHC	1.9	U	1.9	0.33	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
cis-Chlordane	1.9	U	1.9	0.92	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
delta-BHC	0.53	J	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endosulfan II	1.9	U	1.9	0.33	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endosulfan sulfate	1.9	U TH	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endrin aldehyde	1.9	U	1.9	0.47	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
gamma-BHC (Lindane)	0.57	J B	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Heptachlor	1.9	U	1.9	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Methoxychlor	1.9	U TH	1.9	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	1.9	U	1.9	0.59	ug/Kg	☼	07/27/21 08:13	07/28/21 12:06	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120				07/27/21 08:13	07/28/21 12:06	1
DCB Decachlorobiphenyl	83		45 - 120				07/27/21 08:13	07/28/21 12:06	1
Tetrachloro-m-xylene	87		30 - 124				07/27/21 08:13	07/28/21 12:06	1
Tetrachloro-m-xylene	69		30 - 124				07/27/21 08:13	07/28/21 12:06	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.19	U	0.19	0.038	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1221	0.19	U	0.19	0.038	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1232	0.19	U	0.19	0.038	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1242	0.19	U	0.19	0.038	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1248	0.19	U	0.19	0.038	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1254	0.19	U	0.19	0.090	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
PCB-1260	0.19	U	0.19	0.090	mg/Kg	☼	07/26/21 14:45	07/27/21 22:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	130		60 - 154				07/26/21 14:45	07/27/21 22:50	1
Tetrachloro-m-xylene	129		60 - 154				07/26/21 14:45	07/27/21 22:50	1
DCB Decachlorobiphenyl	128		65 - 174				07/26/21 14:45	07/27/21 22:50	1
DCB Decachlorobiphenyl	126		65 - 174				07/26/21 14:45	07/27/21 22:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/26/21 06:57	07/28/21 18:17	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	☼	07/26/21 06:57	07/28/21 18:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129				07/26/21 06:57	07/28/21 18:17	1
2,4-Dichlorophenylacetic acid	63		28 - 129				07/26/21 06:57	07/28/21 18:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10600		11.9	5.2	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Antimony	17.8	U	17.8	0.48	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Arsenic	5.3		2.4	0.48	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Barium	21.1		0.59	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Beryllium	0.55		0.24	0.033	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Cadmium	0.039	J	0.24	0.036	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Calcium	126000	B	119	7.8	mg/Kg	☼	07/26/21 13:53	07/28/21 15:37	2
Chromium	11.0	B	0.59	0.24	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Cobalt	4.5		0.59	0.059	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Copper	7.1		2.4	0.50	mg/Kg	☼	07/26/21 13:53	07/28/21 15:37	2
Iron	11300		11.9	4.2	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Lead	14.3		1.2	0.29	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Magnesium	27400		23.8	1.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Manganese	257	B	0.24	0.038	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Nickel	11.5		5.9	0.27	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Potassium	4630		35.6	23.8	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Sodium	141	J	166	15.4	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Vanadium	12.7		0.59	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1
Zinc	8.8		2.4	0.76	mg/Kg	☼	07/26/21 13:53	07/27/21 22:38	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	U	0.026	0.0061	mg/Kg	☼	07/27/21 13:20	07/27/21 15:58	1

Client Sample ID: B-21-17(2-3)(072121)

Lab Sample ID: 480-187577-5

Date Collected: 07/21/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,1,2,2-Tetrachloroethane	5.2	U	5.2	0.84	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,1-Dichloroethane	5.2	U	5.2	0.63	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Acetone	26	U	26	4.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Benzene	5.2	U	5.2	0.25	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Bromomethane	5.2	U	5.2	0.47	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Carbon tetrachloride	5.2	U	5.2	0.50	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Chloroethane	5.2	U TH	5.2	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Chloroform	5.2	U	5.2	0.32	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Chloromethane	5.2	U TH	5.2	0.31	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
cis-1,2-Dichloroethene	5.2	U	5.2	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.75	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Cyclohexane	5.2	U	5.2	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Dibromochloromethane	5.2	U	5.2	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-17(2-3)(072121)

Lab Sample ID: 480-187577-5

Date Collected: 07/21/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	5.2	U	5.2	0.36	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Isopropylbenzene	5.2	U	5.2	0.78	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Methyl acetate	26	U	26	3.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Methyl tert-butyl ether	5.2	U	5.2	0.51	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Methylcyclohexane	5.2	U	5.2	0.79	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Methylene Chloride	5.2	U	5.2	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Styrene	5.2	U	5.2	0.26	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Tetrachloroethene	5.2	U	5.2	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Toluene	5.2	U	5.2	0.39	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Trichloroethene	5.2	U	5.2	1.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Trichlorofluoromethane	5.2	U	5.2	0.49	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Vinyl chloride	5.2	U TH	5.2	0.63	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1
Xylenes, Total	10	U	10	0.87	ug/Kg	☼	07/23/21 10:00	07/23/21 21:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 21:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	07/23/21 10:00	07/23/21 21:18	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/23/21 10:00	07/23/21 21:18	1
Dibromofluoromethane (Surr)	105		60 - 140	07/23/21 10:00	07/23/21 21:18	1
Toluene-d8 (Surr)	98		71 - 125	07/23/21 10:00	07/23/21 21:18	1

Client Sample ID: TP-21-05(072221)

Lab Sample ID: 480-187577-6

Date Collected: 07/22/21 15:05

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,1,1,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,1,2-Trichloroethane	4.9	U	4.9	0.63	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2-Dichloroethane	4.9	U	4.9	0.24	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Acetone	24	U	24	4.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: TP-21-05(072221)

Lab Sample ID: 480-187577-6

Date Collected: 07/22/21 15:05

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Chlorobenzene	4.9	U	4.9	0.64	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Chloromethane	4.9	U TH	4.9	0.29	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.62	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Dibromochloromethane	4.9	U	4.9	0.62	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Tetrachloroethene	4.9	U	4.9	0.65	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Vinyl chloride	4.9	U TH	4.9	0.60	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	07/23/21 10:00	07/23/21 21:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 21:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	07/23/21 10:00	07/23/21 21:42	1
4-Bromofluorobenzene (Surr)	98		72 - 126	07/23/21 10:00	07/23/21 21:42	1
Dibromofluoromethane (Surr)	108		60 - 140	07/23/21 10:00	07/23/21 21:42	1
Toluene-d8 (Surr)	98		71 - 125	07/23/21 10:00	07/23/21 21:42	1

Client Sample ID: B-21-105(5-6)(072221)

Lab Sample ID: 480-187577-7

Date Collected: 07/22/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U	5.5	0.40	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,1,2,2-Tetrachloroethane	5.5	U	5.5	0.89	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.5	U	5.5	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,1,2-Trichloroethane	5.5	U	5.5	0.71	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,1-Dichloroethane	5.5	U	5.5	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(5-6)(072221)

Lab Sample ID: 480-187577-7

Date Collected: 07/22/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	5.5	U	5.5	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2,4-Trichlorobenzene	5.5	U	5.5	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2-Dibromo-3-Chloropropane	5.5	U	5.5	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2-Dibromoethane	5.5	U	5.5	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2-Dichlorobenzene	5.5	U	5.5	0.43	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2-Dichloroethane	5.5	U	5.5	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,2-Dichloropropane	5.5	U	5.5	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,3-Dichlorobenzene	5.5	U	5.5	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
1,4-Dichlorobenzene	5.5	U	5.5	0.77	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Acetone	5.9	J	27	4.6	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Benzene	5.5	U	5.5	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Bromodichloromethane	5.5	U	5.5	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Bromoform	5.5	U	5.5	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Bromomethane	5.5	U	5.5	0.49	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Carbon disulfide	5.5	U	5.5	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Carbon tetrachloride	5.5	U	5.5	0.53	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Chlorobenzene	5.5	U	5.5	0.72	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Chloroethane	5.5	U TH	5.5	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Chloroform	5.5	U	5.5	0.34	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Chloromethane	5.5	U TH	5.5	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
cis-1,2-Dichloroethene	5.5	U	5.5	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
cis-1,3-Dichloropropene	5.5	U	5.5	0.79	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Cyclohexane	5.5	U	5.5	0.77	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Dibromochloromethane	5.5	U	5.5	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Dichlorodifluoromethane	5.5	U	5.5	0.45	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Ethylbenzene	5.5	U	5.5	0.38	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Isopropylbenzene	5.5	U	5.5	0.83	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Methyl acetate	27	U	27	3.3	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Methyl tert-butyl ether	5.5	U	5.5	0.54	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Methylcyclohexane	5.5	U	5.5	0.83	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Methylene Chloride	5.5	U	5.5	2.5	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Styrene	5.5	U	5.5	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Tetrachloroethene	5.5	U	5.5	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Toluene	0.84	J	5.5	0.41	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
trans-1,2-Dichloroethene	5.5	U	5.5	0.56	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
trans-1,3-Dichloropropene	5.5	U	5.5	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Trichloroethene	5.5	U	5.5	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Trichlorofluoromethane	5.5	U	5.5	0.52	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Vinyl chloride	5.5	U TH	5.5	0.67	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1
Xylenes, Total	11	U	11	0.92	ug/Kg	☼	07/23/21 10:00	07/23/21 22:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 22:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	07/23/21 10:00	07/23/21 22:07	1
4-Bromofluorobenzene (Surr)	101		72 - 126	07/23/21 10:00	07/23/21 22:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(5-6)(072221)

Lab Sample ID: 480-187577-7

Date Collected: 07/22/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 80.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	110		60 - 140	07/23/21 10:00	07/23/21 22:07	1
Toluene-d8 (Surr)	101		71 - 125	07/23/21 10:00	07/23/21 22:07	1

Client Sample ID: B-21-105(9-10)(072221)

Lab Sample ID: 480-187577-8

Date Collected: 07/22/21 14:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.4	U	5.4	0.39	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,1,2,2-Tetrachloroethane	5.4	U	5.4	0.88	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.4	U	5.4	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,1,2-Trichloroethane	5.4	U	5.4	0.71	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,1-Dichloroethane	5.4	U	5.4	0.66	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,1-Dichloroethene	5.4	U	5.4	0.66	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2,4-Trichlorobenzene	5.4	U	5.4	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2-Dibromo-3-Chloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2-Dibromoethane	5.4	U	5.4	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2-Dichlorobenzene	5.4	U	5.4	0.42	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2-Dichloroethane	5.4	U	5.4	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,2-Dichloropropane	5.4	U	5.4	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,3-Dichlorobenzene	5.4	U	5.4	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
1,4-Dichlorobenzene	5.4	U	5.4	0.76	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
2-Butanone (MEK)	27	U	27	2.0	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Acetone	15	J	27	4.6	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Benzene	5.4	U	5.4	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Bromodichloromethane	5.4	U	5.4	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Bromoform	5.4	U	5.4	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Bromomethane	5.4	U	5.4	0.49	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Carbon disulfide	5.4	U	5.4	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Carbon tetrachloride	5.4	U	5.4	0.53	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Chlorobenzene	5.4	U	5.4	0.72	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Chloroethane	5.4	U TH	5.4	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Chloroform	5.4	U	5.4	0.34	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Chloromethane	5.4	U TH	5.4	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
cis-1,2-Dichloroethene	5.4	U	5.4	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
cis-1,3-Dichloropropene	5.4	U	5.4	0.78	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Cyclohexane	5.4	U	5.4	0.76	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Dibromochloromethane	5.4	U	5.4	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Dichlorodifluoromethane	5.4	U	5.4	0.45	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Ethylbenzene	5.4	U	5.4	0.37	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Isopropylbenzene	5.4	U	5.4	0.82	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Methyl acetate	27	U	27	3.3	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Methyl tert-butyl ether	5.4	U	5.4	0.53	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Methylcyclohexane	5.4	U	5.4	0.82	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Methylene Chloride	5.4	U	5.4	2.5	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Styrene	5.4	U	5.4	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(9-10)(072221)

Lab Sample ID: 480-187577-8

Date Collected: 07/22/21 14:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	5.4	U	5.4	0.73	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Toluene	5.4	U	5.4	0.41	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
trans-1,2-Dichloroethene	5.4	U	5.4	0.56	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
trans-1,3-Dichloropropene	5.4	U	5.4	2.4	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Trichloroethene	5.4	U	5.4	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Trichlorofluoromethane	5.4	U	5.4	0.51	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Vinyl chloride	5.4	U TH	5.4	0.66	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1
Xylenes, Total	11	U	11	0.91	ug/Kg	☼	07/23/21 10:00	07/23/21 22:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8.4	T J	ug/Kg	☼	14.01		07/23/21 10:00	07/23/21 22:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	07/23/21 10:00	07/23/21 22:31	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/23/21 10:00	07/23/21 22:31	1
Dibromofluoromethane (Surr)	106		60 - 140	07/23/21 10:00	07/23/21 22:31	1
Toluene-d8 (Surr)	99		71 - 125	07/23/21 10:00	07/23/21 22:31	1

Client Sample ID: B-21-104(0-1)(072221)

Lab Sample ID: 480-187577-9

Date Collected: 07/22/21 14:15

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 84.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.39	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,1-Dichloroethane	5.3	U	5.3	0.65	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2-Dibromoethane	5.3	U	5.3	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2-Dichlorobenzene	5.3	U	5.3	0.42	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2-Dichloroethane	5.3	U	5.3	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,2-Dichloropropane	5.3	U	5.3	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
1,4-Dichlorobenzene	5.3	U	5.3	0.75	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
2-Butanone (MEK)	27	U	27	1.9	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Acetone	5.0	J	27	4.5	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Benzene	5.3	U	5.3	0.26	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Bromodichloromethane	5.3	U	5.3	0.71	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Bromoform	5.3	U	5.3	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Bromomethane	5.3	U	5.3	0.48	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Carbon disulfide	5.3	U	5.3	2.7	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Carbon tetrachloride	5.3	U	5.3	0.52	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Chlorobenzene	5.3	U	5.3	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Chloroethane	5.3	U TH	5.3	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(0-1)(072221)

Lab Sample ID: 480-187577-9

Date Collected: 07/22/21 14:15

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 84.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	5.3	U	5.3	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Chloromethane	5.3	U TH	5.3	0.32	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.77	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Cyclohexane	5.3	U	5.3	0.75	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Ethylbenzene	5.3	U	5.3	0.37	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Isopropylbenzene	5.3	U	5.3	0.80	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Methyl acetate	27	U	27	3.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Methylcyclohexane	5.3	U	5.3	0.81	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Methylene Chloride	5.3	U	5.3	2.5	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Styrene	5.3	U	5.3	0.27	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Tetrachloroethene	5.3	U	5.3	0.71	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Toluene	5.3	U	5.3	0.40	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.55	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Vinyl chloride	5.3	U TH	5.3	0.65	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1
Xylenes, Total	11	U	11	0.89	ug/Kg	☼	07/23/21 10:00	07/23/21 22:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 22:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	07/23/21 10:00	07/23/21 22:56	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/23/21 10:00	07/23/21 22:56	1
Dibromofluoromethane (Surr)	107		60 - 140	07/23/21 10:00	07/23/21 22:56	1
Toluene-d8 (Surr)	99		71 - 125	07/23/21 10:00	07/23/21 22:56	1

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
1,4-Dioxane	120	U	120	63	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	240		200	39	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
2-Nitrophenol	200	U	200	55	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Chloro-3-methylphenol	200	U	200	48	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Chloroaniline	200	U	200	48	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Acenaphthene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Acetophenone	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Anthracene	200	U	200	48	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Atrazine	200	U	200	68	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzo[a]anthracene	26 J		200	20	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzo[b]fluoranthene	32 J		200	31	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzo[g,h,i]perylene	29 J		200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Biphenyl	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Bis(2-chloroethoxy)methane	200	U	200	41	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Caprolactam	200	U	200	59	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Carbazole	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Chrysene	200	U	200	44	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Dibenzofuran	54 J		200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Di-n-butyl phthalate	52 J B		200	33	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Fluoranthene	52 J		200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Fluorene	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Hexachlorobenzene	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Hexachlorocyclopentadiene	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Indeno[1,2,3-cd]pyrene	25 J		200	24	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Isophorone	200	U	200	41	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Naphthalene	190 J		200	25	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Phenanthrene	99	J	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Phenol	200	U	200	30	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1
Pyrene	49	J	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 18:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	240	T J	ug/Kg	☼	1.66		07/26/21 08:36	07/27/21 18:58	1
Unknown	3000	T J	ug/Kg	☼	1.86		07/26/21 08:36	07/27/21 18:58	1
Unknown	330	T J	ug/Kg	☼	3.27		07/26/21 08:36	07/27/21 18:58	1
Naphthalene, 1-methyl-	190	T J N	ug/Kg	☼	8.01	90-12-0	07/26/21 08:36	07/27/21 18:58	1
Naphthalene, 1,4-dimethyl-	260	T J N	ug/Kg	☼	8.73	571-58-4	07/26/21 08:36	07/27/21 18:58	1
Naphthalene, 1,6-dimethyl-	160	T J N	ug/Kg	☼	8.76	575-43-9	07/26/21 08:36	07/27/21 18:58	1
Unknown	210	T J	ug/Kg	☼	9.17		07/26/21 08:36	07/27/21 18:58	1
Unknown	1400	T J	ug/Kg	☼	10.07		07/26/21 08:36	07/27/21 18:58	1
9-Octadecenamide, (Z)-	230	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 18:58	1
Unknown	1300	T J	ug/Kg	☼	15.52		07/26/21 08:36	07/27/21 18:58	1
Unknown	190	T J	ug/Kg	☼	15.66		07/26/21 08:36	07/27/21 18:58	1
Stigmast-4-en-3-one	200	T J N	ug/Kg	☼	15.95	1058-61-3	07/26/21 08:36	07/27/21 18:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/26/21 08:36	07/27/21 18:58	1
2-Fluorobiphenyl (Surr)	91		60 - 120	07/26/21 08:36	07/27/21 18:58	1
2-Fluorophenol (Surr)	73		52 - 120	07/26/21 08:36	07/27/21 18:58	1
Nitrobenzene-d5 (Surr)	80		53 - 120	07/26/21 08:36	07/27/21 18:58	1
Phenol-d5 (Surr)	76		54 - 120	07/26/21 08:36	07/27/21 18:58	1
p-Terphenyl-d14 (Surr)	89		79 - 130	07/26/21 08:36	07/27/21 18:58	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.66	J B	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
4,4'-DDT	1.9	U TH	1.9	0.45	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endosulfan sulfate	1.9	U TH	1.9	0.36	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
gamma-BHC (Lindane)	0.63	J B	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	1.9	U TH	1.9	0.39	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	☼	07/27/21 08:13	07/28/21 12:26	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120				07/27/21 08:13	07/28/21 12:26	1
DCB Decachlorobiphenyl	91		45 - 120				07/27/21 08:13	07/28/21 12:26	1
Tetrachloro-m-xylene	107		30 - 124				07/27/21 08:13	07/28/21 12:26	1
Tetrachloro-m-xylene	73		30 - 124				07/27/21 08:13	07/28/21 12:26	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.039	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1221	0.20	U	0.20	0.039	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1232	0.20	U	0.20	0.039	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1242	0.20	U	0.20	0.039	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1248	0.20	U	0.20	0.039	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1254	0.20	U	0.20	0.094	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
PCB-1260	0.20	U	0.20	0.094	mg/Kg	☼	07/26/21 14:45	07/27/21 23:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	167	TH	60 - 154				07/26/21 14:45	07/27/21 23:03	1
Tetrachloro-m-xylene	164	TH	60 - 154				07/26/21 14:45	07/27/21 23:03	1
DCB Decachlorobiphenyl	165		65 - 174				07/26/21 14:45	07/27/21 23:03	1
DCB Decachlorobiphenyl	157		65 - 174				07/26/21 14:45	07/27/21 23:03	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/26/21 06:57	07/28/21 19:17	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	07/26/21 06:57	07/28/21 19:17	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		28 - 129				07/26/21 06:57	07/28/21 19:17	1
2,4-Dichlorophenylacetic acid	77		28 - 129				07/26/21 06:57	07/28/21 19:17	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17000		11.6	5.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Antimony	17.4	U	17.4	0.46	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Arsenic	6.5		2.3	0.46	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Barium	155		0.58	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Beryllium	1.0		0.23	0.032	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Cadmium	0.23		0.23	0.035	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Calcium	9580	B	57.8	3.8	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Chromium	16.1	B	0.58	0.23	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Cobalt	5.2		0.58	0.058	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Copper	11.9		1.2	0.24	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Iron	24200		11.6	4.0	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Lead	8.0		1.2	0.28	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Magnesium	1320		23.1	1.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Manganese	85.3	B	0.23	0.037	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	14.0		5.8	0.27	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Potassium	1240		34.7	23.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Selenium	1.9	J	4.6	0.46	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Silver	3.4		0.69	0.23	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Sodium	1050		162	15.0	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Thallium	6.9	U	6.9	0.35	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Vanadium	19.6		0.58	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1
Zinc	28.9		2.3	0.74	mg/Kg	☼	07/26/21 13:53	07/27/21 22:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.027		0.016	0.0037	mg/Kg	☼	07/27/21 13:20	07/27/21 15:59	1

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
3-Nitroaniline	380	U	380	55	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Acenaphthene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Acetophenone	200	U	200	27	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Anthracene	200	U	200	49	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Atrazine	200	U	200	69	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Biphenyl	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Caprolactam	200	U	200	59	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Carbazole	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Chrysene	200	U	200	44	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Di-n-butyl phthalate	70	J B	200	34	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Fluorene	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Isophorone	200	U	200	42	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Phenol	200	U	200	30	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1
Pyrene	200	U	200	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:23	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2800	T J	ug/Kg	☼	1.86		07/26/21 08:36	07/27/21 19:23	1
Unknown	330	T J	ug/Kg	☼	3.25		07/26/21 08:36	07/27/21 19:23	1
9-Octadecenamide, (Z)-	600	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 19:23	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	07/26/21 08:36	07/27/21 19:23	1
2-Fluorobiphenyl (Surr)	86		60 - 120	07/26/21 08:36	07/27/21 19:23	1
2-Fluorophenol (Surr)	71		52 - 120	07/26/21 08:36	07/27/21 19:23	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/26/21 08:36	07/27/21 19:23	1
Phenol-d5 (Surr)	75		54 - 120	07/26/21 08:36	07/27/21 19:23	1
p-Terphenyl-d14 (Surr)	91		79 - 130	07/26/21 08:36	07/27/21 19:23	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.6

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
4,4'-DDT	2.0	U TH	2.0	0.46	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
delta-BHC	0.57	J	2.0	0.37	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endosulfan sulfate	2.0	U TH	2.0	0.37	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endrin	2.0	U	2.0	0.39	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
gamma-BHC (Lindane)	0.71	J B	2.0	0.36	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Methoxychlor	2.0	U TH	2.0	0.40	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
Toxaphene	20	U	20	11	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	✱	07/27/21 08:13	07/28/21 12:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	112		45 - 120	07/27/21 08:13	07/28/21 12:45	1
DCB Decachlorobiphenyl	94		45 - 120	07/27/21 08:13	07/28/21 12:45	1
Tetrachloro-m-xylene	106		30 - 124	07/27/21 08:13	07/28/21 12:45	1
Tetrachloro-m-xylene	80		30 - 124	07/27/21 08:13	07/28/21 12:45	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.056	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1221	0.29	U	0.29	0.056	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1232	0.29	U	0.29	0.056	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1242	0.29	U	0.29	0.056	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1248	0.29	U	0.29	0.056	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1254	0.29	U	0.29	0.13	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1
PCB-1260	0.29	U	0.29	0.13	mg/Kg	✱	07/26/21 14:45	07/27/21 23:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	166	TH	60 - 154	07/26/21 14:45	07/27/21 23:15	1
Tetrachloro-m-xylene	158	TH	60 - 154	07/26/21 14:45	07/27/21 23:15	1
DCB Decachlorobiphenyl	159		65 - 174	07/26/21 14:45	07/27/21 23:15	1
DCB Decachlorobiphenyl	152		65 - 174	07/26/21 14:45	07/27/21 23:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	07/26/21 06:57	07/28/21 19:46	1
Silvex (2,4,5-TP)	19	U	19	7.0	ug/Kg	✱	07/26/21 06:57	07/28/21 19:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129	07/26/21 06:57	07/28/21 19:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.6

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	07/26/21 06:57	07/28/21 19:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9710		12.4	5.4	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Antimony	18.5	U	18.5	0.49	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Arsenic	5.0		2.5	0.49	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Barium	14.7		0.62	0.14	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Beryllium	0.52		0.25	0.035	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Cadmium	0.25	U	0.25	0.037	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Calcium	151000	B	124	8.2	mg/Kg	☆	07/26/21 13:53	07/28/21 15:40	2
Chromium	10	B	0.62	0.25	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Cobalt	5.3		0.62	0.062	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Copper	5.8		2.5	0.52	mg/Kg	☆	07/26/21 13:53	07/28/21 15:40	2
Iron	10900		12.4	4.3	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Lead	19.2		1.2	0.30	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Magnesium	41800		24.7	1.1	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Manganese	270	B	0.25	0.040	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Nickel	10.8		6.2	0.28	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Potassium	4730		37.1	24.7	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Selenium	4.9	U	4.9	0.49	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Silver	0.74	U	0.74	0.25	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Sodium	168	J	173	16.1	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Thallium	7.4	U	7.4	0.37	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Vanadium	11.6		0.62	0.14	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1
Zinc	7.8		2.5	0.79	mg/Kg	☆	07/26/21 13:53	07/27/21 22:45	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0059	J	0.024	0.0054	mg/Kg	☆	07/27/21 13:20	07/27/21 16:00	1

Client Sample ID: B-21-114(2-3)(072221)

Lab Sample ID: 480-187577-12

Date Collected: 07/22/21 14:50

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
1,4-Dioxane	110	U	110	63	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2-Chlorophenol	380	U	380	35	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☆	07/26/21 08:36	07/27/21 19:47	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-114(2-3)(072221)

Lab Sample ID: 480-187577-12

Date Collected: 07/22/21 14:50

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
2-Nitroaniline	380	U	380	28	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
2-Nitrophenol	190	U	190	55	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
3-Nitroaniline	380	U	380	54	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Chloroaniline	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Methylphenol	380	U	380	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Acenaphthene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Acenaphthylene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Acetophenone	190	U	190	26	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Anthracene	190	U	190	48	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Atrazine	190	U	190	67	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Biphenyl	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Caprolactam	190	U	190	58	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Carbazole	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Chrysene	190	U	190	43	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Dibenzofuran	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Diethyl phthalate	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Dimethyl phthalate	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Di-n-butyl phthalate	55	J B	190	33	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Fluoranthene	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Fluorene	190	U	190	23	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Hexachlorobenzene	190	U	190	26	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Hexachloroethane	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Isophorone	190	U	190	41	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Naphthalene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1
Nitrobenzene	190	U	190	22	ug/Kg	✱	07/26/21 08:36	07/27/21 19:47	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-114(2-3)(072221)

Lab Sample ID: 480-187577-12

Date Collected: 07/22/21 14:50

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1
Phenol	190	U	190	30	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1
Pyrene	190	U	190	23	ug/Kg	☼	07/26/21 08:36	07/27/21 19:47	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2700	T J	ug/Kg	☼	1.87		07/26/21 08:36	07/27/21 19:47	1
Unknown	380	T J	ug/Kg	☼	3.29		07/26/21 08:36	07/27/21 19:47	1
9-Octadecenamamide, (Z)-	270	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 19:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		54 - 120	07/26/21 08:36	07/27/21 19:47	1
2-Fluorobiphenyl (Surr)	85		60 - 120	07/26/21 08:36	07/27/21 19:47	1
2-Fluorophenol (Surr)	73		52 - 120	07/26/21 08:36	07/27/21 19:47	1
Nitrobenzene-d5 (Surr)	76		53 - 120	07/26/21 08:36	07/27/21 19:47	1
Phenol-d5 (Surr)	76		54 - 120	07/26/21 08:36	07/27/21 19:47	1
p-Terphenyl-d14 (Surr)	100		79 - 130	07/26/21 08:36	07/27/21 19:47	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
4,4'-DDT	1.9	U TH	1.9	0.45	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endosulfan sulfate	1.9	U TH	1.9	0.36	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
gamma-BHC (Lindane)	0.50	J B	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Methoxychlor	1.9	U TH	1.9	0.39	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	☼	07/27/21 08:13	07/28/21 13:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120	07/27/21 08:13	07/28/21 13:04	1
DCB Decachlorobiphenyl	85		45 - 120	07/27/21 08:13	07/28/21 13:04	1
Tetrachloro-m-xylene	89		30 - 124	07/27/21 08:13	07/28/21 13:04	1
Tetrachloro-m-xylene	71		30 - 124	07/27/21 08:13	07/28/21 13:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-114(2-3)(072221)

Lab Sample ID: 480-187577-12

Date Collected: 07/22/21 14:50

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.3

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	✱	07/26/21 14:45	07/27/21 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	148		60 - 154	07/26/21 14:45	07/27/21 23:28	1
Tetrachloro-m-xylene	137		60 - 154	07/26/21 14:45	07/27/21 23:28	1
DCB Decachlorobiphenyl	135		65 - 174	07/26/21 14:45	07/27/21 23:28	1
DCB Decachlorobiphenyl	131		65 - 174	07/26/21 14:45	07/27/21 23:28	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	07/26/21 06:57	07/28/21 20:16	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✱	07/26/21 06:57	07/28/21 20:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	07/26/21 06:57	07/28/21 20:16	1
2,4-Dichlorophenylacetic acid	61		28 - 129	07/26/21 06:57	07/28/21 20:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6190		12.0	5.3	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Antimony	18.0	U	18.0	0.48	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Arsenic	7.2		2.4	0.48	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Barium	10		0.60	0.13	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Beryllium	0.39		0.24	0.034	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Calcium	195000	B	120	7.9	mg/Kg	✱	07/26/21 13:53	07/28/21 15:44	2
Chromium	7.1	B	0.60	0.24	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Cobalt	7.1		0.60	0.060	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Copper	10.8		2.4	0.50	mg/Kg	✱	07/26/21 13:53	07/28/21 15:44	2
Iron	13100		12.0	4.2	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Lead	35.2		1.2	0.29	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Magnesium	29600		24.0	1.1	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Manganese	344	B	0.24	0.038	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Nickel	16.2		6.0	0.28	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Potassium	3360		36.0	24.0	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Selenium	4.8	U	4.8	0.48	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Silver	0.72	U	0.72	0.24	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Sodium	177		168	15.6	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Thallium	7.2	U	7.2	0.36	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Vanadium	8.8		0.60	0.13	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1
Zinc	6.4		2.4	0.77	mg/Kg	✱	07/26/21 13:53	07/27/21 22:49	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0062	J	0.025	0.0057	mg/Kg	✱	07/27/21 13:20	07/27/21 16:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Date Collected: 07/22/21 15:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
1,4-Dioxane	110	U	110	62	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4-Dinitrophenol	1900	U	1900	880	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Chlorophenol	370	U	370	35	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Methylphenol	190	U	190	22	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Nitroaniline	370	U	370	28	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
2-Nitrophenol	190	U	190	54	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
3,3'-Dichlorobenzidine	370	U	370	220	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
3-Nitroaniline	370	U	370	53	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Chloro-3-methylphenol	190	U	190	47	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Chloroaniline	190	U	190	47	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Methylphenol	370	U	370	22	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Nitroaniline	370	U	370	100	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
4-Nitrophenol	370	U	370	130	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Acenaphthene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Acenaphthylene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Acetophenone	190	U	190	26	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Anthracene	190	U	190	47	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Atrazine	190	U	190	66	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Biphenyl	190	U	190	28	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Bis(2-ethylhexyl) phthalate	190	U	190	65	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Caprolactam	190	U	190	57	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Carbazole	190	U	190	22	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Chrysene	190	U	190	43	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Dibenzofuran	190	U	190	22	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1
Diethyl phthalate	190	U	190	25	ug/Kg	✱	07/26/21 08:36	07/27/21 20:11	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Date Collected: 07/22/21 15:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Di-n-butyl phthalate	84	J B	190	33	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Fluoranthene	20	J	190	20	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Fluorene	190	U	190	22	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Isophorone	190	U	190	40	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Phenol	190	U	190	29	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1
Pyrene	190	U	190	22	ug/Kg	☼	07/26/21 08:36	07/27/21 20:11	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2600	T J	ug/Kg	☼	1.86		07/26/21 08:36	07/27/21 20:11	1
Unknown	420	T J	ug/Kg	☼	3.25		07/26/21 08:36	07/27/21 20:11	1
Heptadecane	190	T J N	ug/Kg	☼	10.23	629-78-7	07/26/21 08:36	07/27/21 20:11	1
9-Octadecenamide, (Z)-	310	T J N	ug/Kg	☼	12.69	301-02-0	07/26/21 08:36	07/27/21 20:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	07/26/21 08:36	07/27/21 20:11	1
2-Fluorobiphenyl (Surr)	98		60 - 120	07/26/21 08:36	07/27/21 20:11	1
2-Fluorophenol (Surr)	79		52 - 120	07/26/21 08:36	07/27/21 20:11	1
Nitrobenzene-d5 (Surr)	87		53 - 120	07/26/21 08:36	07/27/21 20:11	1
Phenol-d5 (Surr)	83		54 - 120	07/26/21 08:36	07/27/21 20:11	1
p-Terphenyl-d14 (Surr)	96		79 - 130	07/26/21 08:36	07/27/21 20:11	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
4,4'-DDT	1.9	U TH	1.9	0.44	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Endosulfan sulfate	1.9	U TH	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Date Collected: 07/22/21 15:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
gamma-BHC (Lindane)	0.61	J B	1.9	0.35	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Methoxychlor	1.9	U TH	1.9	0.38	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	07/27/21 08:13	07/28/21 13:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	107		45 - 120	07/27/21 08:13	07/28/21 13:24	1
DCB Decachlorobiphenyl	101		45 - 120	07/27/21 08:13	07/28/21 13:24	1
Tetrachloro-m-xylene	103		30 - 124	07/27/21 08:13	07/28/21 13:24	1
Tetrachloro-m-xylene	80		30 - 124	07/27/21 08:13	07/28/21 13:24	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	☼	07/26/21 14:45	07/27/21 23:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	166	TH	60 - 154	07/26/21 14:45	07/27/21 23:41	1
Tetrachloro-m-xylene	163	TH	60 - 154	07/26/21 14:45	07/27/21 23:41	1
DCB Decachlorobiphenyl	153		65 - 174	07/26/21 14:45	07/27/21 23:41	1
DCB Decachlorobiphenyl	151		65 - 174	07/26/21 14:45	07/27/21 23:41	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/26/21 06:57	07/28/21 20:46	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	☼	07/26/21 06:57	07/28/21 20:46	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		28 - 129	07/26/21 06:57	07/28/21 20:46	1
2,4-Dichlorophenylacetic acid	64		28 - 129	07/26/21 06:57	07/28/21 20:46	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	12900		11.8	5.2	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Antimony	17.7	U	17.7	0.47	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Arsenic	5.7		2.4	0.47	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Barium	29.9		0.59	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Beryllium	0.62		0.24	0.033	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Cadmium	0.092	J	0.24	0.035	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Calcium	103000	B	58.9	3.9	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Chromium	13.0	B	0.59	0.24	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Cobalt	5.2		0.59	0.059	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Copper	6.4		1.2	0.25	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Date Collected: 07/22/21 15:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Iron	12500		11.8	4.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Lead	19.5		1.2	0.28	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Magnesium	28000		23.5	1.1	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Manganese	283	B	0.24	0.038	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Nickel	12.0		5.9	0.27	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Potassium	4850		35.3	23.5	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Sodium	146	J	165	15.3	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Thallium	7.1	U	7.1	0.35	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Vanadium	15.9		0.59	0.13	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1
Zinc	12.1		2.4	0.75	mg/Kg	☼	07/26/21 13:53	07/27/21 22:53	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0075	J	0.022	0.0052	mg/Kg	☼	07/27/21 13:20	07/27/21 16:03	1

Client Sample ID: B-21-117(3-4)(072221)

Lab Sample ID: 480-187577-14

Date Collected: 07/22/21 14:55

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.33	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,1,1,2-Tetrachloroethane	4.6	U	4.6	0.74	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.0	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,1,2-Trichloroethane	4.6	U	4.6	0.60	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,1-Dichloroethene	4.6	U	4.6	0.56	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2-Dibromoethane	4.6	U	4.6	0.59	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,3-Dichlorobenzene	4.6	U	4.6	0.24	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
1,4-Dichlorobenzene	4.6	U	4.6	0.64	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Acetone	23	U	23	3.9	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Benzene	4.6	U	4.6	0.22	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Bromodichloromethane	4.6	U	4.6	0.61	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Bromomethane	4.6	U	4.6	0.41	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Carbon tetrachloride	4.6	U	4.6	0.44	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Chlorobenzene	4.6	U	4.6	0.61	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Chloroethane	4.6	U TH	4.6	1.0	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Chloroform	4.6	U	4.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(3-4)(072221)

Lab Sample ID: 480-187577-14

Date Collected: 07/22/21 14:55

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 85.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	4.6	U TH	4.6	0.28	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.59	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Cyclohexane	4.6	U	4.6	0.64	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Dibromochloromethane	4.6	U	4.6	0.59	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Dichlorodifluoromethane	4.6	U	4.6	0.38	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Ethylbenzene	4.6	U	4.6	0.32	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Isopropylbenzene	4.6	U	4.6	0.69	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Methylcyclohexane	4.6	U	4.6	0.70	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Tetrachloroethene	4.6	U	4.6	0.62	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Toluene	4.6	U	4.6	0.35	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.47	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Trichlorofluoromethane	4.6	U	4.6	0.43	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Vinyl chloride	4.6	U TH	4.6	0.56	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1
Xylenes, Total	9.2	U	9.2	0.77	ug/Kg	☼	07/23/21 10:00	07/23/21 23:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/23/21 10:00	07/23/21 23:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	07/23/21 10:00	07/23/21 23:20	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/23/21 10:00	07/23/21 23:20	1
Dibromofluoromethane (Surr)	107		60 - 140	07/23/21 10:00	07/23/21 23:20	1
Toluene-d8 (Surr)	98		71 - 125	07/23/21 10:00	07/23/21 23:20	1

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(64-126)	(72-126)	(60-140)	(71-125)
480-187577-3	B-21-04(4-5)(072121)	113	91	105	101
480-187577-5	B-21-17(2-3)(072121)	114	97	105	98
480-187577-6	TP-21-05(072221)	115	98	108	98
480-187577-7	B-21-105(5-6)(072221)	120	101	110	101
480-187577-8	B-21-105(9-10)(072221)	116	97	106	99
480-187577-9	B-21-104(0-1)(072221)	116	94	107	99
480-187577-14	B-21-117(3-4)(072221)	120	93	107	98
LCS 480-590253/1-A	Lab Control Sample	104	94	98	99
MB 480-590253/2-A	Method Blank	108	86	101	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene (Surr)

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TBP	FBP	2FP	NBZ	PHL	TPHd14
		(54-120)	(60-120)	(52-120)	(53-120)	(54-120)	(79-130)
480-187577-2	B-21-04(2-3)(072121)	97	107	90	96	92	112
480-187577-4	B-21-17(0-1)(072121)	76	80	71	73	71	91
480-187577-10	B-21-104(2-3)(072221)	81	91	73	80	76	89
480-187577-11	B-21-105(0-1)(072221)	85	86	71	76	75	91
480-187577-12	B-21-114(2-3)(072221)	87	85	73	76	76	100
480-187577-13	B-21-117(0-1)(072221)	91	98	79	87	83	96
LCS 480-590373/2-A	Lab Control Sample	100	90	73	81	80	96
MB 480-590373/1-A	Method Blank	93	89	78	83	81	103

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP1	DCBP2	TCX1	TCX2
		(45-120)	(45-120)	(30-124)	(30-124)
480-187577-2	B-21-04(2-3)(072121)	86	82	92	70
480-187577-4	B-21-17(0-1)(072121)	94	83	87	69
480-187577-10	B-21-104(2-3)(072221)	90	91	107	73
480-187577-11	B-21-105(0-1)(072221)	112	94	106	80
480-187577-12	B-21-114(2-3)(072221)	90	85	89	71
480-187577-13	B-21-117(0-1)(072221)	107	101	103	80

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Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
LCS 480-590506/2-A	Lab Control Sample	106	109	96	92
MB 480-590506/1-A	Method Blank	80	87	84	79

Surrogate Legend
 DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187577-2	B-21-04(2-3)(072121)	152	156 TH	146	151
480-187577-4	B-21-17(0-1)(072121)	129	130	126	128
480-187577-10	B-21-104(2-3)(072221)	164 TH	167 TH	157	165
480-187577-11	B-21-105(0-1)(072221)	158 TH	166 TH	152	159
480-187577-12	B-21-114(2-3)(072221)	137	148	131	135
480-187577-13	B-21-117(0-1)(072221)	163 TH	166 TH	151	153
LCS 480-590453/2-A	Lab Control Sample	152	148	169	166
MB 480-590453/1-A	Method Blank	153	138	128	130

Surrogate Legend
 TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187577-2	B-21-04(2-3)(072121)	69	68
480-187577-4	B-21-17(0-1)(072121)	71	63
480-187577-10	B-21-104(2-3)(072221)	81	77
480-187577-11	B-21-105(0-1)(072221)	71	73
480-187577-12	B-21-114(2-3)(072221)	67	61
480-187577-13	B-21-117(0-1)(072221)	72	64
LCS 480-590353/2-A	Lab Control Sample	43	45
MB 480-590353/1-A	Method Blank	64	66

Surrogate Legend
 DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187577-1	B-21-04(0-1)(072121)	78	81	81	84	78	75	87	82
LCS 200-169467/2-A	Lab Control Sample	96	86	98	78	94	101	100	96
MB 200-169467/1-A	Method Blank	100	86	94	83	93	103	104	98

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187577-1	B-21-04(0-1)(072121)	83	79	84	80	72	77	71	82
LCS 200-169467/2-A	Lab Control Sample	96	96	95	98	89	99	93	89
MB 200-169467/1-A	Method Blank	100	94	98	97	87	99	96	91

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187577-1	B-21-04(0-1)(072121)	99	87
LCS 200-169467/2-A	Lab Control Sample	106	110
MB 200-169467/1-A	Method Blank	110	105

Surrogate Legend

PFDA = 13C2 PFDA
 PFDoA = 13C2 PFDoA
 PFHxA = 13C2 PFHxA
 PFTDA = 13C2 PFTeDA
 PFUnA = 13C2 PFUnA
 C3PFBS = 13C3 PFBS
 PFBA = 13C4 PFBA
 C4PFHA = 13C4 PFHpA
 PFOA = 13C4 PFOA
 PFOS = 13C4 PFOS
 PFNA = 13C5 PFNA
 PFPeA = 13C5 PFPeA
 PFOSA = 13C8 FOSA
 PFHxS = 18O2 PFHxS
 d3NMFOS = d3-NMeFOSAA
 d5NEFOS = d5-NEtFOSAA
 M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-590253/2-A

Matrix: Solid

Analysis Batch: 590234

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590253

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Acetone	25	U	25	4.2	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/23/21 13:49	07/23/21 15:05	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/23/21 13:49	07/23/21 15:05	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-590253/2-A
Matrix: Solid
Analysis Batch: 590234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590253

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>07/23/21 13:49</i>	<i>07/23/21 15:05</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>108</i>		<i>64 - 126</i>	<i>07/23/21 13:49</i>	<i>07/23/21 15:05</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>86</i>		<i>72 - 126</i>	<i>07/23/21 13:49</i>	<i>07/23/21 15:05</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>101</i>		<i>60 - 140</i>	<i>07/23/21 13:49</i>	<i>07/23/21 15:05</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>98</i>		<i>71 - 125</i>	<i>07/23/21 13:49</i>	<i>07/23/21 15:05</i>	<i>1</i>

Lab Sample ID: LCS 480-590253/1-A
Matrix: Solid
Analysis Batch: 590234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590253

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	49.6		ug/Kg		99	77 - 121
1,1,2,2-Tetrachloroethane	50.0	52.7		ug/Kg		105	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	44.1		ug/Kg		88	60 - 140
1,1,2-Trichloroethane	50.0	52.5		ug/Kg		105	78 - 122
1,1-Dichloroethane	50.0	49.2		ug/Kg		98	73 - 126
1,1-Dichloroethene	50.0	44.6		ug/Kg		89	59 - 125
1,2,4-Trichlorobenzene	50.0	42.6		ug/Kg		85	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	51.6		ug/Kg		103	63 - 124
1,2-Dibromoethane	50.0	49.1		ug/Kg		98	78 - 120
1,2-Dichlorobenzene	50.0	48.2		ug/Kg		96	75 - 120
1,2-Dichloroethane	50.0	51.1		ug/Kg		102	77 - 122
1,2-Dichloropropane	50.0	48.0		ug/Kg		96	75 - 124
1,3-Dichlorobenzene	50.0	51.3		ug/Kg		103	74 - 120
1,4-Dichlorobenzene	50.0	50.7		ug/Kg		101	73 - 120
2-Butanone (MEK)	250	250		ug/Kg		100	70 - 134
2-Hexanone	250	287		ug/Kg		115	59 - 130
4-Methyl-2-pentanone (MIBK)	250	269		ug/Kg		107	65 - 133
Acetone	250	245		ug/Kg		98	61 - 137
Benzene	50.0	48.0		ug/Kg		96	79 - 127
Bromodichloromethane	50.0	53.6		ug/Kg		107	80 - 122
Bromoform	50.0	50.0		ug/Kg		100	68 - 126
Bromomethane	50.0	71.3		ug/Kg		143	37 - 149
Carbon disulfide	50.0	44.0		ug/Kg		88	64 - 131
Carbon tetrachloride	50.0	52.2		ug/Kg		104	75 - 135
Chlorobenzene	50.0	49.0		ug/Kg		98	76 - 124
Chloroethane	50.0	83.5	TH	ug/Kg		167	69 - 135
Chloroform	50.0	49.7		ug/Kg		99	80 - 120
Chloromethane	50.0	72.9	TH	ug/Kg		146	63 - 127
cis-1,2-Dichloroethene	50.0	46.5		ug/Kg		93	81 - 120
cis-1,3-Dichloropropene	50.0	48.6		ug/Kg		97	80 - 120
Cyclohexane	50.0	39.1		ug/Kg		78	65 - 120
Dibromochloromethane	50.0	56.4		ug/Kg		113	76 - 125
Dichlorodifluoromethane	50.0	39.4		ug/Kg		79	57 - 142
Ethylbenzene	50.0	51.3		ug/Kg		103	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-590253/1-A
Matrix: Solid
Analysis Batch: 590234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590253

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	49.7		ug/Kg		99	72 - 120
Methyl acetate	100	93.1		ug/Kg		93	55 - 136
Methyl tert-butyl ether	50.0	44.8		ug/Kg		90	63 - 125
Methylcyclohexane	50.0	41.1		ug/Kg		82	60 - 140
Methylene Chloride	50.0	49.1		ug/Kg		98	61 - 127
Styrene	50.0	49.0		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	46.3		ug/Kg		93	74 - 122
Toluene	50.0	49.8		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	47.8		ug/Kg		96	78 - 126
Trichloroethene	50.0	46.2		ug/Kg		92	77 - 129
Trichlorofluoromethane	50.0	66.1		ug/Kg		132	65 - 146
Vinyl chloride	50.0	78.4	TH	ug/Kg		157	61 - 133
Xylenes, Total	100	97.7		ug/Kg		98	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-590373/1-A
Matrix: Solid
Analysis Batch: 590550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590373

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
1,4-Dioxane	100	U	100	55	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Methylphenol	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
2-Nitrophenol	170	U	170	48	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
3-Nitroaniline	330	U	330	47	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Chloroaniline	170	U	170	42	ug/Kg		07/26/21 08:36	07/27/21 12:50	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590373/1-A
Matrix: Solid
Analysis Batch: 590550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590373

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Methylphenol	330	U	330	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Nitroaniline	330	U	330	89	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Acenaphthene	170	U	170	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Acenaphthylene	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Acetophenone	170	U	170	23	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Anthracene	170	U	170	42	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Atrazine	170	U	170	59	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzaldehyde	170	U	170	130	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Biphenyl	170	U	170	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Caprolactam	170	U	170	51	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Carbazole	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Chrysene	170	U	170	38	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Dibenzofuran	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Di-n-butyl phthalate	213		170	29	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Fluoranthene	170	U	170	18	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Fluorene	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Hexachloroethane	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Isophorone	170	U	170	36	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Naphthalene	170	U	170	22	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Nitrobenzene	170	U	170	19	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Phenanthrene	170	U	170	25	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Phenol	170	U	170	26	ug/Kg		07/26/21 08:36	07/27/21 12:50	1
Pyrene	170	U	170	20	ug/Kg		07/26/21 08:36	07/27/21 12:50	1

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590373/1-A
Matrix: Solid
Analysis Batch: 590550

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590373

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	188	T J	ug/Kg		3.22		07/26/21 08:36	07/27/21 12:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		54 - 120				07/26/21 08:36	07/27/21 12:50	1
2-Fluorobiphenyl (Surr)	89		60 - 120				07/26/21 08:36	07/27/21 12:50	1
2-Fluorophenol (Surr)	78		52 - 120				07/26/21 08:36	07/27/21 12:50	1
Nitrobenzene-d5 (Surr)	83		53 - 120				07/26/21 08:36	07/27/21 12:50	1
Phenol-d5 (Surr)	81		54 - 120				07/26/21 08:36	07/27/21 12:50	1
p-Terphenyl-d14 (Surr)	103		79 - 130				07/26/21 08:36	07/27/21 12:50	1

Lab Sample ID: LCS 480-590373/2-A
Matrix: Solid
Analysis Batch: 590550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1640	759		ug/Kg		46	23 - 120
2,3,4,6-Tetrachlorophenol	1640	1460		ug/Kg		89	64 - 120
2,4,5-Trichlorophenol	1640	1540		ug/Kg		94	59 - 126
2,4,6-Trichlorophenol	1640	1460		ug/Kg		89	59 - 123
2,4-Dichlorophenol	1640	1430		ug/Kg		87	61 - 120
2,4-Dimethylphenol	1640	1340		ug/Kg		82	59 - 120
2,4-Dinitrophenol	3270	2740		ug/Kg		84	41 - 146
2,4-Dinitrotoluene	1640	1530		ug/Kg		93	63 - 120
2,6-Dinitrotoluene	1640	1540		ug/Kg		94	66 - 120
2-Chloronaphthalene	1640	1420		ug/Kg		87	57 - 120
2-Chlorophenol	1640	1220		ug/Kg		75	53 - 120
2-Methylnaphthalene	1640	1320		ug/Kg		81	59 - 120
2-Methylphenol	1640	1320		ug/Kg		81	54 - 120
2-Nitroaniline	1640	1540		ug/Kg		94	61 - 120
2-Nitrophenol	1640	1330		ug/Kg		81	56 - 120
3,3'-Dichlorobenzidine	3270	2880		ug/Kg		88	54 - 120
3-Nitroaniline	1640	1340		ug/Kg		82	48 - 120
4,6-Dinitro-2-methylphenol	3270	3230		ug/Kg		99	49 - 122
4-Bromophenyl phenyl ether	1640	1620		ug/Kg		99	58 - 120
4-Chloro-3-methylphenol	1640	1490		ug/Kg		91	61 - 120
4-Chloroaniline	1640	1250		ug/Kg		76	38 - 120
4-Chlorophenyl phenyl ether	1640	1520		ug/Kg		93	63 - 124
4-Methylphenol	1640	1380		ug/Kg		84	55 - 120
4-Nitroaniline	1640	1540		ug/Kg		94	56 - 120
4-Nitrophenol	3270	2930		ug/Kg		90	43 - 147
Acenaphthene	1640	1440		ug/Kg		88	62 - 120
Acenaphthylene	1640	1520		ug/Kg		93	58 - 121
Acetophenone	1640	1280		ug/Kg		78	54 - 120
Anthracene	1640	1640		ug/Kg		100	62 - 120
Atrazine	3270	2860		ug/Kg		88	60 - 127
Benzaldehyde	3270	2220		ug/Kg		68	10 - 150
Benzo[a]anthracene	1640	1700		ug/Kg		104	65 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590373/2-A
Matrix: Solid
Analysis Batch: 590550

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590373

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1640	1600		ug/Kg		98	64 - 120
Benzo[b]fluoranthene	1640	1630		ug/Kg		100	64 - 120
Benzo[g,h,i]perylene	1640	1840		ug/Kg		112	45 - 145
Benzo[k]fluoranthene	1640	1650		ug/Kg		101	65 - 120
Biphenyl	1640	1450		ug/Kg		89	59 - 120
bis (2-chloroisopropyl) ether	1640	1210		ug/Kg		74	44 - 120
Bis(2-chloroethoxy)methane	1640	1330		ug/Kg		81	55 - 120
Bis(2-chloroethyl)ether	1640	1210		ug/Kg		74	45 - 120
Bis(2-ethylhexyl) phthalate	1640	1530		ug/Kg		94	61 - 133
Butyl benzyl phthalate	1640	1590		ug/Kg		97	61 - 129
Caprolactam	3270	2830		ug/Kg		87	47 - 120
Carbazole	1640	1630		ug/Kg		100	65 - 120
Chrysene	1640	1660		ug/Kg		101	64 - 120
Dibenz(a,h)anthracene	1640	1870		ug/Kg		114	54 - 132
Dibenzofuran	1640	1530		ug/Kg		93	63 - 120
Diethyl phthalate	1640	1550		ug/Kg		95	66 - 120
Dimethyl phthalate	1640	1560		ug/Kg		96	65 - 124
Di-n-butyl phthalate	1640	1690		ug/Kg		103	58 - 130
Di-n-octyl phthalate	1640	1570		ug/Kg		96	57 - 133
Fluoranthene	1640	1560		ug/Kg		95	62 - 120
Fluorene	1640	1510		ug/Kg		93	63 - 120
Hexachlorobenzene	1640	1610		ug/Kg		98	60 - 120
Hexachlorobutadiene	1640	1310		ug/Kg		80	45 - 120
Hexachlorocyclopentadiene	1640	1140		ug/Kg		70	47 - 120
Hexachloroethane	1640	1130		ug/Kg		69	41 - 120
Indeno[1,2,3-cd]pyrene	1640	1780		ug/Kg		109	56 - 134
Isophorone	1640	1400		ug/Kg		85	56 - 120
Naphthalene	1640	1300		ug/Kg		79	55 - 120
Nitrobenzene	1640	1320		ug/Kg		81	54 - 120
N-Nitrosodi-n-propylamine	1640	1350		ug/Kg		82	52 - 120
N-Nitrosodiphenylamine	1640	1660		ug/Kg		102	51 - 128
Pentachlorophenol	3270	3140		ug/Kg		96	51 - 120
Phenanthrene	1640	1630		ug/Kg		100	60 - 120
Phenol	1640	1190		ug/Kg		73	53 - 120
Pyrene	1640	1620		ug/Kg		99	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	100		54 - 120
2-Fluorobiphenyl (Surr)	90		60 - 120
2-Fluorophenol (Surr)	73		52 - 120
Nitrobenzene-d5 (Surr)	81		53 - 120
Phenol-d5 (Surr)	80		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-590506/1-A

Matrix: Solid

Analysis Batch: 590680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590506

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
4,4'-DDE	1.6	U	1.6	0.35	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
beta-BHC	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan I	1.6	U	1.6	0.32	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin	1.6	U	1.6	0.33	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin ketone	0.467	J	1.6	0.40	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
gamma-BHC (Lindane)	0.454	J	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Methoxychlor	1.6	U	1.6	0.34	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Toxaphene	16	U	16	9.6	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		07/27/21 08:13	07/28/21 09:49	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	80		45 - 120	07/27/21 08:13	07/28/21 09:49	1
DCB Decachlorobiphenyl	87		45 - 120	07/27/21 08:13	07/28/21 09:49	1
Tetrachloro-m-xylene	84		30 - 124	07/27/21 08:13	07/28/21 09:49	1
Tetrachloro-m-xylene	79		30 - 124	07/27/21 08:13	07/28/21 09:49	1

Lab Sample ID: LCS 480-590506/2-A

Matrix: Solid

Analysis Batch: 590680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590506

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.5	19.8		ug/Kg		120	56 - 120
4,4'-DDE	16.5	16.3		ug/Kg		99	44 - 120
4,4'-DDT	16.5	20.0	TH	ug/Kg		121	38 - 120
Aldrin	16.5	14.4		ug/Kg		87	38 - 120
alpha-BHC	16.5	12.9		ug/Kg		78	39 - 120
beta-BHC	16.5	16.4		ug/Kg		100	40 - 120
cis-Chlordane	16.5	15.2		ug/Kg		92	47 - 120
delta-BHC	16.5	15.7		ug/Kg		95	45 - 120
Dieldrin	16.5	19.5		ug/Kg		118	58 - 120
Endosulfan I	16.5	14.1		ug/Kg		85	49 - 120
Endosulfan II	16.5	16.7		ug/Kg		101	55 - 120
Endosulfan sulfate	16.5	23.2	TH	ug/Kg		140	49 - 124
Endrin	16.5	19.7		ug/Kg		119	58 - 120
Endrin aldehyde	16.5	16.5		ug/Kg		100	37 - 121
Endrin ketone	16.5	20.0		ug/Kg		121	46 - 123

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-590506/2-A
Matrix: Solid
Analysis Batch: 590680

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.5	14.9		ug/Kg		90	50 - 120
Heptachlor	16.5	16.3		ug/Kg		99	50 - 120
Heptachlor epoxide	16.5	17.8		ug/Kg		108	50 - 120
Methoxychlor	16.5	23.5	TH	ug/Kg		143	58 - 133
trans-Chlordane	16.5	17.7		ug/Kg		107	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	106		45 - 120
DCB Decachlorobiphenyl	109		45 - 120
Tetrachloro-m-xylene	96		30 - 124
Tetrachloro-m-xylene	92		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590453/1-A
Matrix: Solid
Analysis Batch: 590602

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590453

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1248	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/26/21 14:45	07/27/21 20:29	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	138		60 - 154	07/26/21 14:45	07/27/21 20:29	1
Tetrachloro-m-xylene	153		60 - 154	07/26/21 14:45	07/27/21 20:29	1
DCB Decachlorobiphenyl	130		65 - 174	07/26/21 14:45	07/27/21 20:29	1
DCB Decachlorobiphenyl	128		65 - 174	07/26/21 14:45	07/27/21 20:29	1

Lab Sample ID: LCS 480-590453/2-A
Matrix: Solid
Analysis Batch: 590824

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590453

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	1.80	2.73		mg/Kg		152	51 - 185
PCB-1260	1.80	2.86		mg/Kg		159	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	148		60 - 154
Tetrachloro-m-xylene	152		60 - 154
DCB Decachlorobiphenyl	166		65 - 174
DCB Decachlorobiphenyl	169		65 - 174

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-590353/1-A
Matrix: Solid
Analysis Batch: 590765

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590353

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	16	U	16	10	ug/Kg		07/26/21 06:57	07/28/21 13:50	1
Silvex (2,4,5-TP)	16	U	16	5.9	ug/Kg		07/26/21 06:57	07/28/21 13:50	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	64		28 - 129	07/26/21 06:57	07/28/21 13:50	1
2,4-Dichlorophenylacetic acid	66		28 - 129	07/26/21 06:57	07/28/21 13:50	1

Lab Sample ID: LCS 480-590353/2-A
Matrix: Solid
Analysis Batch: 590765

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590353

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	64.6	32.2		ug/Kg		50	39 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	43		28 - 129
2,4-Dichlorophenylacetic acid	45		28 - 129

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169467/1-A
Matrix: Solid
Analysis Batch: 169526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169467

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/26/21 14:06	07/27/21 17:22	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169467/1-A
Matrix: Solid
Analysis Batch: 169526

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169467

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/26/21 14:06	07/27/21 17:22	1
Isotope Dilution	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C2 PFDA	100		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C2 PFDoA	86		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C2 PFHxA	94		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C2 PFTeDA	83		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C2 PFUnA	93		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C3 PFBS	103		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C4 PFBA	104		25 - 150				07/26/21 14:06	07/27/21 17:22	1
13C4 PFHpA	98		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C4 PFOA	100		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C4 PFOS	94		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C5 PFNA	98		50 - 150				07/26/21 14:06	07/27/21 17:22	1
13C5 PFPeA	97		25 - 150				07/26/21 14:06	07/27/21 17:22	1
13C8 FOSA	87		25 - 150				07/26/21 14:06	07/27/21 17:22	1
18O2 PFHxS	99		50 - 150				07/26/21 14:06	07/27/21 17:22	1
d3-NMeFOSAA	96		50 - 150				07/26/21 14:06	07/27/21 17:22	1
d5-NEtFOSAA	91		50 - 150				07/26/21 14:06	07/27/21 17:22	1
M2-6:2 FTS	110		25 - 150				07/26/21 14:06	07/27/21 17:22	1
M2-8:2 FTS	105		25 - 150				07/26/21 14:06	07/27/21 17:22	1

Lab Sample ID: LCS 200-169467/2-A
Matrix: Solid
Analysis Batch: 169526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	2.21		ug/Kg		115	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	2.16		ug/Kg		114	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.25		ug/Kg		113	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.29		ug/Kg		114	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	2.00		ug/Kg		113	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.28		ug/Kg		114	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	2.24		ug/Kg		116	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.12		ug/Kg		106	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.39		ug/Kg		119	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.25		ug/Kg		118	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	2.28		ug/Kg		114	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.94		ug/Kg		107	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.23		ug/Kg		111	70 - 130

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169467/2-A
Matrix: Solid
Analysis Batch: 169526

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169467

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorononanoic acid (PFNA)	2.00	2.22		ug/Kg		111	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.34		ug/Kg		117	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	1.98		ug/Kg		107	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	2.19		ug/Kg		109	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	2.29		ug/Kg		115	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.47		ug/Kg		124	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.42		ug/Kg		121	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.21		ug/Kg		111	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	96		50 - 150
13C2 PFDoA	86		50 - 150
13C2 PFHxA	98		50 - 150
13C2 PFTeDA	78		50 - 150
13C2 PFUnA	94		50 - 150
13C3 PFBS	101		50 - 150
13C4 PFBA	100		25 - 150
13C4 PFHpA	96		50 - 150
13C4 PFOA	96		50 - 150
13C4 PFOS	96		50 - 150
13C5 PFNA	95		50 - 150
13C5 PFPeA	98		25 - 150
13C8 FOSA	89		25 - 150
18O2 PFHxS	99		50 - 150
d3-NMeFOSAA	93		50 - 150
d5-NEtFOSAA	89		50 - 150
M2-6:2 FTS	106		25 - 150
M2-8:2 FTS	110		25 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-590369/1-A
Matrix: Solid
Analysis Batch: 590747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.3	U	10.3	4.5	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Antimony	15.5	U	15.5	0.41	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Arsenic	2.1	U	2.1	0.41	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Barium	0.52	U	0.52	0.11	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Cadmium	0.21	U	0.21	0.031	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Calcium	3.80	J	51.7	3.4	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Chromium	0.221	J	0.52	0.21	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Cobalt	0.52	U	0.52	0.052	mg/Kg		07/26/21 13:53	07/27/21 20:46	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-590369/1-A
Matrix: Solid
Analysis Batch: 590747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590369

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	1.0	U	1.0	0.22	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Iron	10.3	U	10.3	3.6	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Lead	1.0	U	1.0	0.25	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Magnesium	20.7	U	20.7	0.96	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Manganese	0.0517	J	0.21	0.033	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Nickel	5.2	U	5.2	0.24	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Potassium	31.0	U	31.0	20.7	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Selenium	4.1	U	4.1	0.41	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Silver	0.62	U	0.62	0.21	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Sodium	145	U	145	13.4	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Thallium	6.2	U	6.2	0.31	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Vanadium	0.52	U	0.52	0.11	mg/Kg		07/26/21 13:53	07/27/21 20:46	1
Zinc	2.1	U	2.1	0.66	mg/Kg		07/26/21 13:53	07/27/21 20:46	1

Lab Sample ID: LCSSRM 480-590369/2-A
Matrix: Solid
Analysis Batch: 590747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590369

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	110	87.84		mg/Kg		79.9	22.2 - 254.5
Arsenic	162	132.2		mg/Kg		81.6	70.4 - 130.2
Barium	138	117.8		mg/Kg		85.4	74.6 - 124.6
Beryllium	157	142.4		mg/Kg		90.7	75.2 - 125.5
Cadmium	135	122.9		mg/Kg		91.0	74.8 - 124.4
Calcium	4790	4168		mg/Kg		87.0	72.7 - 127.3
Chromium	117	99.80		mg/Kg		85.3	70.1 - 129.9
Cobalt	92.6	93.17		mg/Kg		100.6	75.1 - 125.3
Copper	143	120.7		mg/Kg		84.4	74.8 - 124.5
Iron	15100	11960		mg/Kg		79.2	37.2 - 162.9
Lead	77.6	69.12		mg/Kg		89.1	68.8 - 131.4
Magnesium	2320	2048		mg/Kg		88.3	62.1 - 137.9
Manganese	319	280.4		mg/Kg		87.9	74.9 - 125.1
Nickel	79.9	81.28		mg/Kg		101.7	70.0 - 130.2
Potassium	2050	1926		mg/Kg		94.0	59.5 - 141.0
Selenium	172	145.7		mg/Kg		84.7	68.0 - 132.6

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-590369/2-A
Matrix: Solid
Analysis Batch: 590747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590369

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	24.7	18.92		mg/Kg		76.6	67.2 - 133.2
Sodium	137	143.2		mg/Kg		104.5	35.8 - 164.2
Thallium	88.0	82.47		mg/Kg		93.7	66.0 - 134.1
Vanadium	99.9	83.65		mg/Kg		83.7	67.4 - 132.1
Zinc	312	256.2		mg/Kg		82.1	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590448/1-A
Matrix: Solid
Analysis Batch: 590637

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590448

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0046	mg/Kg		07/27/21 13:20	07/27/21 15:26	1

Lab Sample ID: LCSSRM 480-590448/2-A ^10
Matrix: Solid
Analysis Batch: 590637

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590448

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	23.78		mg/Kg		87.4	59.9 - 140.1

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-169611/5
Matrix: Solid
Analysis Batch: 169611

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			07/28/21 16:02	1

Lab Sample ID: LCS 200-169611/6
Matrix: Solid
Analysis Batch: 169611

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	7013		mg/Kg		84	75 - 125

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

GC/MS VOA

Analysis Batch: 590234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-3	B-21-04(4-5)(072121)	Total/NA	Solid	8260C	590253
480-187577-5	B-21-17(2-3)(072121)	Total/NA	Solid	8260C	590253
480-187577-6	TP-21-05(072221)	Total/NA	Solid	8260C	590253
480-187577-7	B-21-105(5-6)(072221)	Total/NA	Solid	8260C	590253
480-187577-8	B-21-105(9-10)(072221)	Total/NA	Solid	8260C	590253
480-187577-9	B-21-104(0-1)(072221)	Total/NA	Solid	8260C	590253
480-187577-14	B-21-117(3-4)(072221)	Total/NA	Solid	8260C	590253
MB 480-590253/2-A	Method Blank	Total/NA	Solid	8260C	590253
LCS 480-590253/1-A	Lab Control Sample	Total/NA	Solid	8260C	590253

Prep Batch: 590253

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-3	B-21-04(4-5)(072121)	Total/NA	Solid	5035A_L	
480-187577-5	B-21-17(2-3)(072121)	Total/NA	Solid	5035A_L	
480-187577-6	TP-21-05(072221)	Total/NA	Solid	5035A_L	
480-187577-7	B-21-105(5-6)(072221)	Total/NA	Solid	5035A_L	
480-187577-8	B-21-105(9-10)(072221)	Total/NA	Solid	5035A_L	
480-187577-9	B-21-104(0-1)(072221)	Total/NA	Solid	5035A_L	
480-187577-14	B-21-117(3-4)(072221)	Total/NA	Solid	5035A_L	
MB 480-590253/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-590253/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 590373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	3550C	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	3550C	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	3550C	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	3550C	
MB 480-590373/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590373/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590550

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	8270D	590373
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	8270D	590373
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	8270D	590373
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	8270D	590373
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	8270D	590373
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	8270D	590373
MB 480-590373/1-A	Method Blank	Total/NA	Solid	8270D	590373
LCS 480-590373/2-A	Lab Control Sample	Total/NA	Solid	8270D	590373

GC Semi VOA

Prep Batch: 590353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	8151A	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	8151A	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

GC Semi VOA (Continued)

Prep Batch: 590353 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	8151A	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	8151A	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	8151A	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	8151A	
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 590453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	3550C	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	3550C	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	3550C	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	3550C	
MB 480-590453/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590453/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 590506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	3550C	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	3550C	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	3550C	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	3550C	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	3550C	
MB 480-590506/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590506/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	8082A	590453
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	8082A	590453
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	8082A	590453
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	8082A	590453
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	8082A	590453
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	8082A	590453
MB 480-590453/1-A	Method Blank	Total/NA	Solid	8082A	590453

Analysis Batch: 590680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	8081B	590506
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	8081B	590506
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	8081B	590506
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	8081B	590506
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	8081B	590506
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	8081B	590506
MB 480-590506/1-A	Method Blank	Total/NA	Solid	8081B	590506
LCS 480-590506/2-A	Lab Control Sample	Total/NA	Solid	8081B	590506

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

GC Semi VOA

Analysis Batch: 590765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	8151A	590353
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	8151A	590353
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	8151A	590353
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	8151A	590353
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	8151A	590353
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	8151A	590353
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	590353
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	590353

Analysis Batch: 590824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-590453/2-A	Lab Control Sample	Total/NA	Solid	8082A	590453

LCMS

Prep Batch: 169467

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-1	B-21-04(0-1)(072121)	Total/NA	Solid	SHAKE	
MB 200-169467/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-169467/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 169526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-1	B-21-04(0-1)(072121)	Total/NA	Solid	537 (modified)	169467
MB 200-169467/1-A	Method Blank	Total/NA	Solid	537 (modified)	169467
LCS 200-169467/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169467

Metals

Prep Batch: 590369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	3050B	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	3050B	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	3050B	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	3050B	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	3050B	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	3050B	
MB 480-590369/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-590369/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 590448

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	7471B	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	7471B	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	7471B	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	7471B	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	7471B	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	7471B	
MB 480-590448/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590448/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Metals

Analysis Batch: 590637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	7471B	590448
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	7471B	590448
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	7471B	590448
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	7471B	590448
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	7471B	590448
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	7471B	590448
MB 480-590448/1-A	Method Blank	Total/NA	Solid	7471B	590448
LCSSRM 480-590448/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	590448

Analysis Batch: 590747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	6010C	590369
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	6010C	590369
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	6010C	590369
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	6010C	590369
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	6010C	590369
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	6010C	590369
MB 480-590369/1-A	Method Blank	Total/NA	Solid	6010C	590369
LCSSRM 480-590369/2-A	Lab Control Sample	Total/NA	Solid	6010C	590369

Analysis Batch: 590892

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	6010C	590369
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	6010C	590369
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	6010C	590369
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	6010C	590369

General Chemistry

Analysis Batch: 169611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-1	B-21-04(0-1)(072121)	Total/NA	Solid	Lloyd Kahn	
MB 200-169611/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-169611/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 590315

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187577-1	B-21-04(0-1)(072121)	Total/NA	Solid	Moisture	
480-187577-2	B-21-04(2-3)(072121)	Total/NA	Solid	Moisture	
480-187577-3	B-21-04(4-5)(072121)	Total/NA	Solid	Moisture	
480-187577-4	B-21-17(0-1)(072121)	Total/NA	Solid	Moisture	
480-187577-5	B-21-17(2-3)(072121)	Total/NA	Solid	Moisture	
480-187577-6	TP-21-05(072221)	Total/NA	Solid	Moisture	
480-187577-7	B-21-105(5-6)(072221)	Total/NA	Solid	Moisture	
480-187577-8	B-21-105(9-10)(072221)	Total/NA	Solid	Moisture	
480-187577-9	B-21-104(0-1)(072221)	Total/NA	Solid	Moisture	
480-187577-10	B-21-104(2-3)(072221)	Total/NA	Solid	Moisture	
480-187577-11	B-21-105(0-1)(072221)	Total/NA	Solid	Moisture	
480-187577-12	B-21-114(2-3)(072221)	Total/NA	Solid	Moisture	
480-187577-13	B-21-117(0-1)(072221)	Total/NA	Solid	Moisture	
480-187577-14	B-21-117(3-4)(072221)	Total/NA	Solid	Moisture	

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(0-1)(072121)

Lab Sample ID: 480-187577-1

Date Collected: 07/21/21 11:30

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169611	07/28/21 17:01	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-04(0-1)(072121)

Lab Sample ID: 480-187577-1

Date Collected: 07/21/21 11:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169467	07/26/21 14:06	EK	TAL BUR
Total/NA	Analysis	537 (modified)		1	169526	07/27/21 18:45	ND	TAL BUR

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-04(2-3)(072121)

Lab Sample ID: 480-187577-2

Date Collected: 07/21/21 11:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 18:10	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 11:46	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 22:37	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 17:47	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:34	LMH	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590892	07/28/21 15:33	AMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 15:56	BMB	TAL BUF

Client Sample ID: B-21-04(4-5)(072121)

Lab Sample ID: 480-187577-3

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-04(4-5)(072121)

Lab Sample ID: 480-187577-3

Date Collected: 07/21/21 12:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 20:53	CDC	TAL BUF

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-17(0-1)(072121)

Lab Sample ID: 480-187577-4

Date Collected: 07/21/21 13:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 18:34	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 12:06	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 22:50	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 18:17	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:38	LMH	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590892	07/28/21 15:37	AMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 15:58	BMB	TAL BUF

Client Sample ID: B-21-17(2-3)(072121)

Lab Sample ID: 480-187577-5

Date Collected: 07/21/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-17(2-3)(072121)

Lab Sample ID: 480-187577-5

Date Collected: 07/21/21 13:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 21:18	CDC	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: TP-21-05(072221)

Date Collected: 07/22/21 15:05

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-6

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: TP-21-05(072221)

Date Collected: 07/22/21 15:05

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-6

Matrix: Solid

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 21:42	CDC	TAL BUF

Client Sample ID: B-21-105(5-6)(072221)

Date Collected: 07/22/21 13:45

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-7

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-105(5-6)(072221)

Date Collected: 07/22/21 13:45

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-7

Matrix: Solid

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 22:07	CDC	TAL BUF

Client Sample ID: B-21-105(9-10)(072221)

Date Collected: 07/22/21 14:00

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-105(9-10)(072221)

Date Collected: 07/22/21 14:00

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-8

Matrix: Solid

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 22:31	CDC	TAL BUF

Client Sample ID: B-21-104(0-1)(072221)

Date Collected: 07/22/21 14:15

Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-104(0-1)(072221)

Lab Sample ID: 480-187577-9

Date Collected: 07/22/21 14:15

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 22:56	CDC	TAL BUF

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-104(2-3)(072221)

Lab Sample ID: 480-187577-10

Date Collected: 07/22/21 14:30

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 18:58	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 12:26	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 23:03	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 19:17	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:42	LMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 15:59	BMB	TAL BUF

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-105(0-1)(072221)

Lab Sample ID: 480-187577-11

Date Collected: 07/22/21 14:45

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 19:23	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 12:45	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 23:15	W1T	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-105(0-1)(072221)
Date Collected: 07/22/21 14:45
Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-11
Matrix: Solid
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 19:46	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:45	LMH	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590892	07/28/21 15:40	AMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 16:00	BMB	TAL BUF

Client Sample ID: B-21-114(2-3)(072221)
Date Collected: 07/22/21 14:50
Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-12
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-114(2-3)(072221)
Date Collected: 07/22/21 14:50
Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-12
Matrix: Solid
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 19:47	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 13:04	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 23:28	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 20:16	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:49	LMH	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		2	590892	07/28/21 15:44	AMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 16:02	BMB	TAL BUF

Client Sample ID: B-21-117(0-1)(072221)
Date Collected: 07/22/21 15:00
Date Received: 07/23/21 08:00

Lab Sample ID: 480-187577-13
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Client Sample ID: B-21-117(0-1)(072221)

Lab Sample ID: 480-187577-13

Date Collected: 07/22/21 15:00

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590373	07/26/21 08:36	ADH	TAL BUF
Total/NA	Analysis	8270D		1	590550	07/27/21 20:11	JMM	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		1	590680	07/28/21 13:24	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590602	07/27/21 23:41	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 20:46	JLS	TAL BUF
Total/NA	Prep	3050B			590369	07/26/21 13:53	ADM	TAL BUF
Total/NA	Analysis	6010C		1	590747	07/27/21 22:53	LMH	TAL BUF
Total/NA	Prep	7471B			590448	07/27/21 13:20	BMB	TAL BUF
Total/NA	Analysis	7471B		1	590637	07/27/21 16:03	BMB	TAL BUF

Client Sample ID: B-21-117(3-4)(072221)

Lab Sample ID: 480-187577-14

Date Collected: 07/22/21 14:55

Matrix: Solid

Date Received: 07/23/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590315	07/23/21 20:31	CLA	TAL BUF

Client Sample ID: B-21-117(3-4)(072221)

Lab Sample ID: 480-187577-14

Date Collected: 07/22/21 14:55

Matrix: Solid

Date Received: 07/23/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			590253	07/23/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	590234	07/23/21 23:20	CDC	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date												
New York	NELAP	10026	04-01-22												
<p>The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Analysis Method</th> <th style="text-align: left;">Prep Method</th> <th style="text-align: left;">Matrix</th> <th style="text-align: left;">Analyte</th> </tr> </thead> <tbody> <tr> <td>Moisture</td> <td></td> <td>Solid</td> <td>Percent Moisture</td> </tr> <tr> <td>Moisture</td> <td></td> <td>Solid</td> <td>Percent Solids</td> </tr> </tbody> </table>				Analysis Method	Prep Method	Matrix	Analyte	Moisture		Solid	Percent Moisture	Moisture		Solid	Percent Solids
Analysis Method	Prep Method	Matrix	Analyte												
Moisture		Solid	Percent Moisture												
Moisture		Solid	Percent Solids												

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date																																																																																								
New York	NELAP	10391	04-01-22																																																																																								
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Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187577-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187577-1	B-21-04(0-1)(072121)	Solid	07/21/21 11:30	07/23/21 08:00
480-187577-2	B-21-04(2-3)(072121)	Solid	07/21/21 11:45	07/23/21 08:00
480-187577-3	B-21-04(4-5)(072121)	Solid	07/21/21 12:00	07/23/21 08:00
480-187577-4	B-21-17(0-1)(072121)	Solid	07/21/21 13:30	07/23/21 08:00
480-187577-5	B-21-17(2-3)(072121)	Solid	07/21/21 13:45	07/23/21 08:00
480-187577-6	TP-21-05(072221)	Solid	07/22/21 15:05	07/23/21 08:00
480-187577-7	B-21-105(5-6)(072221)	Solid	07/22/21 13:45	07/23/21 08:00
480-187577-8	B-21-105(9-10)(072221)	Solid	07/22/21 14:00	07/23/21 08:00
480-187577-9	B-21-104(0-1)(072221)	Solid	07/22/21 14:15	07/23/21 08:00
480-187577-10	B-21-104(2-3)(072221)	Solid	07/22/21 14:30	07/23/21 08:00
480-187577-11	B-21-105(0-1)(072221)	Solid	07/22/21 14:45	07/23/21 08:00
480-187577-12	B-21-114(2-3)(072221)	Solid	07/22/21 14:50	07/23/21 08:00
480-187577-13	B-21-117(0-1)(072221)	Solid	07/22/21 15:00	07/23/21 08:00
480-187577-14	B-21-117(3-4)(072221)	Solid	07/22/21 14:55	07/23/21 08:00



PFAS → BUT FROM G-2 - RE

Syracuse
Chain Tracking No(s):
#225

Client Information
 Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: LI-Cycle: Lidestr-Ridgeway Property
 Site:
 Lab PI#: Schove, John R
 E-Mail: John.Schove@Eurofinset.com
 C-Tracking No(s): #225
 State of Sample:
 Job #:

Due Date Requested:
 TAT Requested (days): standard
 Compliance Project: Yes No
 PO #:
 Purchase Order Requested
 WO #:
 Project #: 48023985
 SSOW#:
 PWSID:
 Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	8280C - TCL VOCs + 10 TCs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	PFAS (21 Analytes)	TOTC by Lloyd Kern	Total Number of Containers	Special Instructions/Note:
B-21-04(0-1)(07212021)	7/21/2021	1130	G	Solid	N	N	N	N	N	N	2	
B-21-04(2-3)(07212021)		1145		Solid	N	N	N	X	X		3	
B-21-04(4-5)(07212021)		1200		Solid	N	N	X				4	
B-21-17(0-1)(07212021)		1330		Solid	N	N	X				3	
B-21-17(2-3)(07212021)		1345		Solid	N	N	X					
IP-21-05(07222021)	7/22/2021	1505	C	Solid	N	N	X					



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) IV

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: ASP Cat. B Deliverables

Empty Kit Requisitioned by:
 Relinquished by: *[Signature]* Date: 7/22/21 1535
 Relinquished by: *[Signature]* Date: 7-22-21, 1905
 Relinquished by: *[Signature]* Date/Time:
 Company: ERM
 Company: J-2
 Company:
 Custody Seals Intact: Yes No No
 Custody Seal No.:
 Cooling Temperature(s) °C and Other Remarks: 2.8 3.0 ICE



Syracuse

Client Information
 Client Contact: K. Popyck / J. Sumski
 Phone: 315-559-2658
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert_sents@erm.com
 Project Name: LI-Cycle: Lidestri-Ridgeway Property
 Site:

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Sampler:
Lab Tracking No(s): #225
Page: 1 of 1
Page: 2 of 6
Job #: 68

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Δ Yes Δ No
PO #:
Purchase Order Requested:
WO #:
Project #: 48023985
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TCs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Total Number of Containers	Special Instructions/Note:
<u>B-21-105 (5-G)(07222021)</u>	<u>7/22/2021</u>	<u>1345</u>	<u>G</u>	<u>Solid</u>	<u>N</u>	<u>X</u>	<u>N</u>	<u>N</u>	<u>4</u>	
<u>B-21-105 (9-10)(07222021)</u>		<u>1400</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>N</u>	<u>N</u>	<u>4</u>	
<u>B-21-104 (0-1)(07222021)</u>		<u>1419</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>N</u>	<u>N</u>	<u>4</u>	
<u>B-21-104 (2-3)(07222021)</u>		<u>1430</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>3</u>	
<u>B-21-109 (0-1)(07222021)</u>		<u>1445</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>3</u>	
<u>B-21-114 (2-3)(07222021)</u>		<u>1450</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>3</u>	
<u>B-21-117 (0-1)(07222021)</u>		<u>1500</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>3</u>	
<u>B-21-117 (3-4)(07222021)</u>		<u>1455</u>		<u>Solid</u>	<u>N</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>4</u>	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) IV

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For Months
 Special Instructions/QC Requirements: ASP Cat B deliverables

Empty Kit Relinquished by: Date:
Relinquished by: [Signature] Date/Time: 7/22/21 1335 Company: ERM
Relinquished by: [Signature] Date/Time: 7-22-21, 1905 Company: ERM
Relinquished by: [Signature] Date/Time: Company: ERM

Cooler Temperature(s) °C and Other Remarks:



Chain of Custody Record



Syracuse
 Farmer Tracking Net(s):
#225

Sampler: **K. Popayock / J. Sumski** Lab Pkt: **Schrove, John R**
 Client Contact: **Mr. Robert Sents** Phone: **315-559-2658** E-Mail: **John.Schrove@Eurofinset.com**
 Company: **ERM-Northeast** PWSID: _____
 Address: **5784 Widewaters Pkwy**
 City: **Dewitt**
 State/Zip: **NY, 13214**
 Phone: **315-445-2543 (Tel)**
 Email: **robert.sents@erm.com**
 Project Name: **Li-Cycle: Lidestrl-Ridgeway Property**
 Project #: **48023985**
 Site: _____

Analysis Requested

Due Date Requested: _____
 TAT Requested (days): **Standard**
 Compliance Project: Yes No
 PO #: _____
 Purchase Order Requested: _____
 WO #: _____
 Project #: _____
 SSOW#: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastefoil, B=retortless Acid)
B-21-105 (5-6) (07222021)	7/22/2021	1345	G	Solid
B-21-105 (9-10) (07222021)		1400		Solid
B-21-104 (0-1) (07222021)		1419		Solid
B-21-104 (2-3) (07222021)		1430		Solid
B-21-109 (0-1) (07222021)		1445		Solid
B-21-114 (2-3) (07222021)		1450		Solid
B-21-117 (0-1) (07222021)		1500		Solid
B-21-117 (3-4) (07222021)		1455		Solid

Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	8260C - TCL VOCs + 10 TICS	6010C, 7471B	6081B, 6082A, 6161A, 8270D
B-21-105 (5-6) (07222021)	7/22/2021	1345	G	Solid	N	N	N
B-21-105 (9-10) (07222021)		1400		Solid	N	N	N
B-21-104 (0-1) (07222021)		1419		Solid	N	N	N
B-21-104 (2-3) (07222021)		1430		Solid	N	N	N
B-21-109 (0-1) (07222021)		1445		Solid	N	N	N
B-21-114 (2-3) (07222021)		1450		Solid	N	N	N
B-21-117 (0-1) (07222021)		1500		Solid	N	N	N
B-21-117 (3-4) (07222021)		1455		Solid	N	N	N

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Empty Kit Relinquished by: _____ Date: _____
 Relinquished by: **[Signature]** Date/Time: **7/22/21 15:35**
 Relinquished by: **[Signature]** Date/Time: **7-22-21, 1900**
 Relinquished by: **[Signature]** Date/Time: _____

Special Instructions/QC Requirements: **ASP Cat B deliverables**
 Method of Shipment: _____
 Return To Client: Disposal By Lab: Archive For _____ Months

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Received by: **[Signature]** Date/Time: **7/27/21 1535** Company: **ERM**
 Received by: **[Signature]** Date/Time: **7/23/21 1030** Company: **ERM**
 Received by: **[Signature]** Date/Time: _____ Company: _____

Cooler Temperature(s) °C and Other Remarks: _____
 Custody Seal No.: _____
 Δ Yes Δ No



- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

RT 916 10:30
 FZ 915



Environment Testing
 TestAmerica

9-104 RT2 EXP 04/22

ORIGIN ID:SYRA (315) 431-0171
 SYR SERVICE CENTER
 EUROFINS TESTAMERICA
 118 BOSS RD

SHIP DATE: 22JUL21
 ACTWGT: 5.00 LB MAN
 CAD: 0883373/CAFE3504

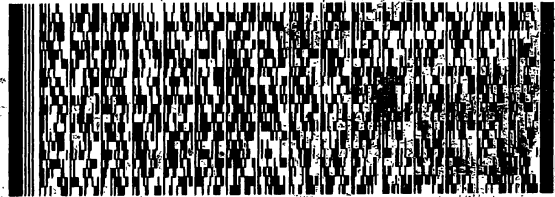
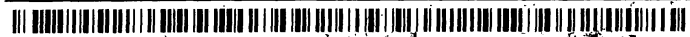
SYRACUSE, NY 13211
 UNITED STATES US

BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1990
 REF: ERM LI - CYCLE 1COOLER

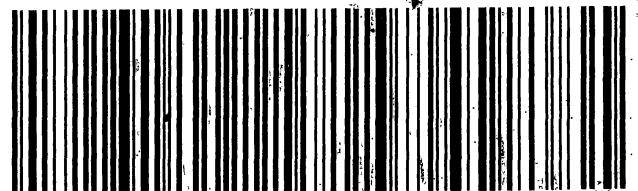


FRI - 23 JUL 10:30A
PRIORITY OVERNIGHT

TRK# 9735 8147 0678
 0201

NL BTVA

05403
 VT-US **BTVA**



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187577-1

Login Number: 187577

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRA CORES FROZEN 7-23-21 10:00
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187577-1

Login Number: 187577

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/23/21 04:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520963
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.3°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187609-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:
8/4/2021 10:15:26 AM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Job ID: 480-187609-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187609-1

Comments

No additional comments.

Receipt

The sample was received on 7/24/2021 8:00 AM. Unless otherwise noted below, the sample arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-590867 and analytical batch 480-591346 recovered within acceptable limits for this analyte and has been qualified with an "E" flag (LCS 480-590867/2-A)

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-591346 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TP-21-06 (07222021) (480-187609-1).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-591346 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-590867 and analytical batch 480-591346 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes or are below client reporting limit in the following affected samples: TP-21-06 (07222021) (480-187609-1). Therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The following sample was diluted due to the nature of the sample matrix: TP-21-06 (07222021) (480-187609-1). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-590680 recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: TP-21-06 (07222021) (480-187609-1).

Method 8081B: The laboratory control sample (LCS) for preparation batch 480-590506 and analytical batch 480-590680 recovered outside control limits for the following analytes: 4,4'-DDT, Endosulfan sulfate and Methoxychlor. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-590887/41) associated with batch 480-590887, contained Total Iron and Manganese above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-21-06 (07222021) (480-187609-1) was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: TP-21-06

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Job ID: 480-187609-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

(07222021) (480-187609-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

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Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
gamma-BHC (Lindane)	10	J B	40	7.4	ug/Kg	20	✳		8081B	Total/NA
Aluminum	13700		12.4	5.4	mg/Kg	1	✳		6010C	Total/NA
Arsenic	7.5		2.5	0.49	mg/Kg	1	✳		6010C	Total/NA
Barium	56.4		0.62	0.14	mg/Kg	1	✳		6010C	Total/NA
Beryllium	0.72		0.25	0.035	mg/Kg	1	✳		6010C	Total/NA
Cadmium	0.28		0.25	0.037	mg/Kg	1	✳		6010C	Total/NA
Calcium	10000	B	61.8	4.1	mg/Kg	1	✳		6010C	Total/NA
Chromium	15.8		0.62	0.25	mg/Kg	1	✳		6010C	Total/NA
Cobalt	8.1		0.62	0.062	mg/Kg	1	✳		6010C	Total/NA
Copper	11.8		1.2	0.26	mg/Kg	1	✳		6010C	Total/NA
Iron	16000	^	12.4	4.3	mg/Kg	1	✳		6010C	Total/NA
Lead	32.4		1.2	0.30	mg/Kg	1	✳		6010C	Total/NA
Magnesium	3610	B	24.7	1.1	mg/Kg	1	✳		6010C	Total/NA
Manganese	809	B ^	0.25	0.040	mg/Kg	1	✳		6010C	Total/NA
Nickel	16.4		6.2	0.28	mg/Kg	1	✳		6010C	Total/NA
Potassium	2970		37.1	24.7	mg/Kg	1	✳		6010C	Total/NA
Selenium	1.3	J	4.9	0.49	mg/Kg	1	✳		6010C	Total/NA
Silver	0.43	J	0.74	0.25	mg/Kg	1	✳		6010C	Total/NA
Sodium	63.7	J	173	16.1	mg/Kg	1	✳		6010C	Total/NA
Vanadium	22.6		0.62	0.14	mg/Kg	1	✳		6010C	Total/NA
Zinc	62.1		2.5	0.79	mg/Kg	1	✳		6010C	Total/NA
Mercury	0.066		0.022	0.0050	mg/Kg	1	✳		7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
1,4-Dioxane	120	U	120	67	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,3,4,6-Tetrachlorophenol	210	U	210	42	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4-Dimethylphenol	210	U	210	50	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,4-Dinitrotoluene	210	U	210	42	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Chloronaphthalene	210	U	210	34	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Chlorophenol	400	U	400	38	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Methylphenol	210	U	210	24	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Nitroaniline	400	U	400	30	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
2-Nitrophenol	210	U	210	58	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
3-Nitroaniline	400	U	400	57	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Chloroaniline	210	U	210	51	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Chlorophenyl phenyl ether	210	U	210	25	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Methylphenol	400	U	400	24	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Nitroaniline	400	U	400	110	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
4-Nitrophenol	400	U	400	140	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Acenaphthene	210	U	210	30	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Acenaphthylene	210	U	210	27	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Acetophenone	210	U	210	28	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Anthracene	210	U	210	51	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Atrazine	210	U	210	72	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzaldehyde	210	U	210	160	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Biphenyl	210	U	210	30	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Bis(2-ethylhexyl) phthalate	210	U	210	70	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Caprolactam	210	U	210	62	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Carbazole	210	U	210	24	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Chrysene	210	U	210	46	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Dibenzofuran	210	U	210	24	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1
Diethyl phthalate	210	U	210	27	ug/Kg	✱	07/29/21 08:25	08/03/21 00:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Fluoranthene	210	U	210	22	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Fluorene	210	U	210	24	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Indeno[1,2,3-cd]pyrene	210	U	210	25	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Isophorone	210	U	210	44	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Naphthalene	210	U	210	27	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Phenanthrene	210	U	210	30	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Phenol	210	U	210	32	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1
Pyrene	210	U	210	24	ug/Kg	☼	07/29/21 08:25	08/03/21 00:12	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	5700	T J	ug/Kg	☼	1.91		07/29/21 08:25	08/03/21 00:12	1
Unknown	260	T J	ug/Kg	☼	2.28		07/29/21 08:25	08/03/21 00:12	1
Unknown	680	T J	ug/Kg	☼	3.29		07/29/21 08:25	08/03/21 00:12	1
Ethane, 1,1,2,2-tetrachloro-	350	T J N	ug/Kg	☼	4.47	79-34-5	07/29/21 08:25	08/03/21 00:12	1
Unknown	640	T J	ug/Kg	☼	15.57		07/29/21 08:25	08/03/21 00:12	1
Unknown	420	T J	ug/Kg	☼	16.10		07/29/21 08:25	08/03/21 00:12	1
Unknown	340	T J	ug/Kg	☼	16.57		07/29/21 08:25	08/03/21 00:12	1
Unknown	350	T J	ug/Kg	☼	16.64		07/29/21 08:25	08/03/21 00:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	119		54 - 120	07/29/21 08:25	08/03/21 00:12	1
2-Fluorobiphenyl (Surr)	97		60 - 120	07/29/21 08:25	08/03/21 00:12	1
2-Fluorophenol (Surr)	82		52 - 120	07/29/21 08:25	08/03/21 00:12	1
Nitrobenzene-d5 (Surr)	92		53 - 120	07/29/21 08:25	08/03/21 00:12	1
Phenol-d5 (Surr)	88		54 - 120	07/29/21 08:25	08/03/21 00:12	1
p-Terphenyl-d14 (Surr)	110		79 - 130	07/29/21 08:25	08/03/21 00:12	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	40	U	40	7.9	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
4,4'-DDE	40	U	40	8.5	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
4,4'-DDT	40	U	40	9.5	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Aldrin	40	U	40	9.9	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
alpha-BHC	40	U	40	7.3	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
beta-BHC	40	U	40	7.3	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
cis-Chlordane	40	U	40	20	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
delta-BHC	40	U	40	7.5	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Dieldrin	40	U	40	9.7	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Endosulfan I	40	U	40	7.8	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	40	U	40	7.3	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Endosulfan sulfate	40	U TH	40	7.5	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Endrin	40	U	40	8.0	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Endrin aldehyde	40	U	40	10	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Endrin ketone	40	U	40	9.9	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
gamma-BHC (Lindane)	10	J B	40	7.4	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Heptachlor	40	U	40	8.7	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Heptachlor epoxide	40	U	40	10	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Methoxychlor	40	U TH	40	8.2	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Toxaphene	400	U	400	240	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
trans-Chlordane	40	U	40	13	ug/Kg	☼	07/27/21 08:13	07/28/21 13:44	20
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	120		45 - 120				07/27/21 08:13	07/28/21 13:44	20
DCB Decachlorobiphenyl	106		45 - 120				07/27/21 08:13	07/28/21 13:44	20
Tetrachloro-m-xylene	0	TL	30 - 124				07/27/21 08:13	07/28/21 13:44	20
Tetrachloro-m-xylene	0	TL	30 - 124				07/27/21 08:13	07/28/21 13:44	20

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.057	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1221	0.29	U	0.29	0.057	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1232	0.29	U	0.29	0.057	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1242	0.29	U	0.29	0.057	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1248	0.29	U	0.29	0.057	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1254	0.29	U	0.29	0.14	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
PCB-1260	0.29	U	0.29	0.14	mg/Kg	☼	07/26/21 14:45	07/28/21 19:21	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	106		60 - 154				07/26/21 14:45	07/28/21 19:21	1
Tetrachloro-m-xylene	98		60 - 154				07/26/21 14:45	07/28/21 19:21	1
DCB Decachlorobiphenyl	103		65 - 174				07/26/21 14:45	07/28/21 19:21	1
DCB Decachlorobiphenyl	97		65 - 174				07/26/21 14:45	07/28/21 19:21	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	07/26/21 06:57	07/28/21 21:16	1
Silvex (2,4,5-TP)	20	U	20	7.3	ug/Kg	☼	07/26/21 06:57	07/28/21 21:16	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 129				07/26/21 06:57	07/28/21 21:16	1
2,4-Dichlorophenylacetic acid	68		28 - 129				07/26/21 06:57	07/28/21 21:16	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13700		12.4	5.4	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1
Antimony	18.5	U	18.5	0.49	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1
Arsenic	7.5		2.5	0.49	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1
Barium	56.4		0.62	0.14	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1
Beryllium	0.72		0.25	0.035	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1
Cadmium	0.28		0.25	0.037	mg/Kg	☼	07/27/21 14:33	07/29/21 02:02	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	10000	B	61.8	4.1	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Chromium	15.8		0.62	0.25	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Cobalt	8.1		0.62	0.062	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Copper	11.8		1.2	0.26	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Iron	16000	^	12.4	4.3	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Lead	32.4		1.2	0.30	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Magnesium	3610	B	24.7	1.1	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Manganese	809	B ^	0.25	0.040	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Nickel	16.4		6.2	0.28	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Potassium	2970		37.1	24.7	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Selenium	1.3	J	4.9	0.49	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Silver	0.43	J	0.74	0.25	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Sodium	63.7	J	173	16.1	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Thallium	7.4	U	7.4	0.37	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Vanadium	22.6		0.62	0.14	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1
Zinc	62.1		2.5	0.79	mg/Kg	✳	07/27/21 14:33	07/29/21 02:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.066		0.022	0.0050	mg/Kg	✳	08/02/21 13:48	08/02/21 15:04	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187609-1	TP-21-06 (07222021)	119	97	82	92	88	110
LCS 480-590867/2-A	Lab Control Sample	122 TH	99	82	94	90	110
MB 480-590867/1-A	Method Blank	102	91	82	94	86	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)

FBP = 2-Fluorobiphenyl (Surr)

2FP = 2-Fluorophenol (Surr)

NBZ = Nitrobenzene-d5 (Surr)

PHL = Phenol-d5 (Surr)

TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187609-1	TP-21-06 (07222021)	120	106	0 TL	0 TL
LCS 480-590506/2-A	Lab Control Sample	106	109	96	92
MB 480-590506/1-A	Method Blank	80	87	84	79

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187609-1	TP-21-06 (07222021)	98	106	97	103
LCS 480-590453/2-A	Lab Control Sample	152	148	169	166
MB 480-590453/1-A	Method Blank	153	138	128	130

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187609-1	TP-21-06 (07222021)	69	68
LCS 480-590353/2-A	Lab Control Sample	43	45
MB 480-590353/1-A	Method Blank	64	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-590867/1-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590867

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
1,4-Dioxane	98	U	98	54	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,3,4,6-Tetrachlorophenol	170	U	170	34	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4,6-Trichlorophenol	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dinitrophenol	1600	U	1600	770	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dinitrotoluene	170	U	170	34	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Chloronaphthalene	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Chlorophenol	320	U	320	30	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Methylnaphthalene	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Methylphenol	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Nitroaniline	320	U	320	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Nitrophenol	170	U	170	47	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
3,3'-Dichlorobenzidine	320	U	320	200	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
3-Nitroaniline	320	U	320	46	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4,6-Dinitro-2-methylphenol	320	U	320	170	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Chloroaniline	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Methylphenol	320	U	320	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Nitroaniline	320	U	320	87	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Nitrophenol	320	U	320	120	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acenaphthene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acenaphthylene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acetophenone	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Anthracene	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Atrazine	170	U	170	58	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzaldehyde	170	U	170	130	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Biphenyl	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
bis (2-chloroisopropyl) ether	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-chloroethoxy)methane	170	U	170	35	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Butyl benzyl phthalate	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Caprolactam	170	U	170	50	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Carbazole	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Chrysene	170	U	170	37	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dibenz(a,h)anthracene	170	U	170	29	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dibenzofuran	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590867/1-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590867

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Di-n-butyl phthalate	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Fluoranthene	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Fluorene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachloroethane	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Isophorone	170	U	170	35	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Naphthalene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Nitrobenzene	170	U	170	19	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
N-Nitrosodi-n-propylamine	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Pentachlorophenol	320	U	320	170	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Phenanthrene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Phenol	170	U	170	26	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Pyrene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	176	T J	ug/Kg		3.30		07/29/21 08:25	08/02/21 15:03	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	102		54 - 120	07/29/21 08:25	08/02/21 15:03	1
2-Fluorobiphenyl (Surr)	91		60 - 120	07/29/21 08:25	08/02/21 15:03	1
2-Fluorophenol (Surr)	82		52 - 120	07/29/21 08:25	08/02/21 15:03	1
Nitrobenzene-d5 (Surr)	94		53 - 120	07/29/21 08:25	08/02/21 15:03	1
Phenol-d5 (Surr)	86		54 - 120	07/29/21 08:25	08/02/21 15:03	1
p-Terphenyl-d14 (Surr)	108		79 - 130	07/29/21 08:25	08/02/21 15:03	1

Lab Sample ID: LCS 480-590867/2-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1660	1650		ug/Kg		100	59 - 125
1,4-Dioxane	1660	898		ug/Kg		54	23 - 120
2,3,4,6-Tetrachlorophenol	1660	1730		ug/Kg		105	64 - 120
2,4,5-Trichlorophenol	1660	1700		ug/Kg		103	59 - 126
2,4,6-Trichlorophenol	1660	1640		ug/Kg		99	59 - 123
2,4-Dichlorophenol	1660	1660		ug/Kg		100	61 - 120
2,4-Dimethylphenol	1660	1740		ug/Kg		105	59 - 120
2,4-Dinitrophenol	3310	3220		ug/Kg		97	41 - 146
2,4-Dinitrotoluene	1660	1760		ug/Kg		106	63 - 120
2,6-Dinitrotoluene	1660	1630		ug/Kg		98	66 - 120
2-Chloronaphthalene	1660	1500		ug/Kg		90	57 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590867/2-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
2-Chlorophenol	1660	1460		ug/Kg		88	53 - 120
2-Methylnaphthalene	1660	1530		ug/Kg		92	59 - 120
2-Methylphenol	1660	1500		ug/Kg		90	54 - 120
2-Nitroaniline	1660	1710		ug/Kg		103	61 - 120
2-Nitrophenol	1660	1530		ug/Kg		92	56 - 120
3,3'-Dichlorobenzidine	3310	3480		ug/Kg		105	54 - 120
3-Nitroaniline	1660	1160		ug/Kg		70	48 - 120
4,6-Dinitro-2-methylphenol	3310	3390		ug/Kg		102	49 - 122
4-Bromophenyl phenyl ether	1660	1910		ug/Kg		115	58 - 120
4-Chloro-3-methylphenol	1660	1820		ug/Kg		110	61 - 120
4-Chloroaniline	1660	912		ug/Kg		55	38 - 120
4-Chlorophenyl phenyl ether	1660	1740		ug/Kg		105	63 - 124
4-Methylphenol	1660	1550		ug/Kg		94	55 - 120
4-Nitroaniline	1660	1590		ug/Kg		96	56 - 120
4-Nitrophenol	3310	4130		ug/Kg		125	43 - 147
Acenaphthene	1660	1550		ug/Kg		94	62 - 120
Acenaphthylene	1660	1690		ug/Kg		102	58 - 121
Acetophenone	1660	1590		ug/Kg		96	54 - 120
Anthracene	1660	1680		ug/Kg		101	62 - 120
Atrazine	3310	3530		ug/Kg		106	60 - 127
Benzaldehyde	3310	3390	E	ug/Kg		102	10 - 150
Benzo[a]anthracene	1660	1740		ug/Kg		105	65 - 120
Benzo[a]pyrene	1660	1620		ug/Kg		98	64 - 120
Benzo[b]fluoranthene	1660	1650		ug/Kg		100	64 - 120
Benzo[g,h,i]perylene	1660	1600		ug/Kg		97	45 - 145
Benzo[k]fluoranthene	1660	1660		ug/Kg		100	65 - 120
Biphenyl	1660	1520		ug/Kg		92	59 - 120
bis (2-chloroisopropyl) ether	1660	1130		ug/Kg		68	44 - 120
Bis(2-chloroethoxy)methane	1660	1470		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1660	1330		ug/Kg		80	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1770		ug/Kg		107	61 - 133
Butyl benzyl phthalate	1660	1730		ug/Kg		104	61 - 129
Caprolactam	3310	3150		ug/Kg		95	47 - 120
Carbazole	1660	1650		ug/Kg		100	65 - 120
Chrysene	1660	1710		ug/Kg		103	64 - 120
Dibenz(a,h)anthracene	1660	1690		ug/Kg		102	54 - 132
Dibenzofuran	1660	1570		ug/Kg		95	63 - 120
Diethyl phthalate	1660	1830		ug/Kg		110	66 - 120
Dimethyl phthalate	1660	1710		ug/Kg		103	65 - 124
Di-n-butyl phthalate	1660	1850		ug/Kg		111	58 - 130
Di-n-octyl phthalate	1660	1730		ug/Kg		104	57 - 133
Fluoranthene	1660	1750		ug/Kg		106	62 - 120
Fluorene	1660	1650		ug/Kg		100	63 - 120
Hexachlorobenzene	1660	1930		ug/Kg		117	60 - 120
Hexachlorobutadiene	1660	1750		ug/Kg		106	45 - 120
Hexachlorocyclopentadiene	1660	1600		ug/Kg		97	47 - 120
Hexachloroethane	1660	1440		ug/Kg		87	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1600		ug/Kg		97	56 - 134
Isophorone	1660	1630		ug/Kg		98	56 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590867/2-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1660	1510		ug/Kg		91	55 - 120
Nitrobenzene	1660	1470		ug/Kg		89	54 - 120
N-Nitrosodi-n-propylamine	1660	1560		ug/Kg		94	52 - 120
N-Nitrosodiphenylamine	1660	1630		ug/Kg		98	51 - 128
Pentachlorophenol	3310	3640		ug/Kg		110	51 - 120
Phenanthrene	1660	1600		ug/Kg		96	60 - 120
Phenol	1660	1430		ug/Kg		86	53 - 120
Pyrene	1660	1680		ug/Kg		101	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	122	TH	54 - 120
2-Fluorobiphenyl (Surr)	99		60 - 120
2-Fluorophenol (Surr)	82		52 - 120
Nitrobenzene-d5 (Surr)	94		53 - 120
Phenol-d5 (Surr)	90		54 - 120
p-Terphenyl-d14 (Surr)	110		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-590506/1-A

Matrix: Solid

Analysis Batch: 590680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590506

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
4,4'-DDE	1.6	U	1.6	0.35	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
beta-BHC	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan I	1.6	U	1.6	0.32	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin	1.6	U	1.6	0.33	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Endrin ketone	0.467	J	1.6	0.40	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
gamma-BHC (Lindane)	0.454	J	1.6	0.30	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Methoxychlor	1.6	U	1.6	0.34	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
Toxaphene	16	U	16	9.6	ug/Kg		07/27/21 08:13	07/28/21 09:49	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		07/27/21 08:13	07/28/21 09:49	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		45 - 120	07/27/21 08:13	07/28/21 09:49	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-590506/1-A

Matrix: Solid

Analysis Batch: 590680

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590506

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	87		45 - 120	07/27/21 08:13	07/28/21 09:49	1
Tetrachloro-m-xylene	84		30 - 124	07/27/21 08:13	07/28/21 09:49	1
Tetrachloro-m-xylene	79		30 - 124	07/27/21 08:13	07/28/21 09:49	1

Lab Sample ID: LCS 480-590506/2-A

Matrix: Solid

Analysis Batch: 590680

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590506

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	16.5	16.3		ug/Kg		99	44 - 120
4,4'-DDT	16.5	20.0	TH	ug/Kg		121	38 - 120
Aldrin	16.5	14.4		ug/Kg		87	38 - 120
alpha-BHC	16.5	12.9		ug/Kg		78	39 - 120
beta-BHC	16.5	16.4		ug/Kg		100	40 - 120
cis-Chlordane	16.5	15.2		ug/Kg		92	47 - 120
delta-BHC	16.5	15.7		ug/Kg		95	45 - 120
Dieldrin	16.5	19.5		ug/Kg		118	58 - 120
Endosulfan I	16.5	14.1		ug/Kg		85	49 - 120
Endosulfan II	16.5	16.7		ug/Kg		101	55 - 120
Endosulfan sulfate	16.5	23.2	TH	ug/Kg		140	49 - 124
Endrin	16.5	19.7		ug/Kg		119	58 - 120
Endrin aldehyde	16.5	16.5		ug/Kg		100	37 - 121
Endrin ketone	16.5	20.0		ug/Kg		121	46 - 123
gamma-BHC (Lindane)	16.5	14.9		ug/Kg		90	50 - 120
Heptachlor	16.5	16.3		ug/Kg		99	50 - 120
Heptachlor epoxide	16.5	17.8		ug/Kg		108	50 - 120
Methoxychlor	16.5	23.5	TH	ug/Kg		143	58 - 133
trans-Chlordane	16.5	17.7		ug/Kg		107	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	106		45 - 120
DCB Decachlorobiphenyl	109		45 - 120
Tetrachloro-m-xylene	96		30 - 124
Tetrachloro-m-xylene	92		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590453/1-A

Matrix: Solid

Analysis Batch: 590602

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590453

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1248	0.23	U	0.23	0.044	mg/Kg		07/26/21 14:45	07/27/21 20:29	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-590453/1-A

Matrix: Solid

Analysis Batch: 590602

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590453

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/26/21 14:45	07/27/21 20:29	1
Surrogate	MB MB		Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
Tetrachloro-m-xylene	138		60 - 154				07/26/21 14:45	07/27/21 20:29	1
Tetrachloro-m-xylene	153		60 - 154				07/26/21 14:45	07/27/21 20:29	1
DCB Decachlorobiphenyl	130		65 - 174				07/26/21 14:45	07/27/21 20:29	1
DCB Decachlorobiphenyl	128		65 - 174				07/26/21 14:45	07/27/21 20:29	1

Lab Sample ID: LCS 480-590453/2-A

Matrix: Solid

Analysis Batch: 590824

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590453

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
PCB-1016	1.80	2.73		mg/Kg		152	51 - 185	
PCB-1260	1.80	2.86		mg/Kg		159	61 - 184	
Surrogate	LCS LCS		Limits			D	%Rec	%Rec. Limits
	%Recovery	Qualifier						
Tetrachloro-m-xylene	148		60 - 154					
Tetrachloro-m-xylene	152		60 - 154					
DCB Decachlorobiphenyl	166		65 - 174					
DCB Decachlorobiphenyl	169		65 - 174					

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-590353/1-A

Matrix: Solid

Analysis Batch: 590765

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590353

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	16	U	16	10	ug/Kg		07/26/21 06:57	07/28/21 13:50	1
Silvex (2,4,5-TP)	16	U	16	5.9	ug/Kg		07/26/21 06:57	07/28/21 13:50	1
Surrogate	MB MB		Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
2,4-Dichlorophenylacetic acid	64		28 - 129				07/26/21 06:57	07/28/21 13:50	1
2,4-Dichlorophenylacetic acid	66		28 - 129				07/26/21 06:57	07/28/21 13:50	1

Lab Sample ID: LCS 480-590353/2-A

Matrix: Solid

Analysis Batch: 590765

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590353

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits	
		Result	Qualifier					
2,4-D	64.6	34.0		ug/Kg		53	40 - 120	
Silvex (2,4,5-TP)	64.6	32.2		ug/Kg		50	39 - 125	
Surrogate	LCS LCS		Limits			D	%Rec	%Rec. Limits
	%Recovery	Qualifier						
2,4-Dichlorophenylacetic acid	43		28 - 129					
2,4-Dichlorophenylacetic acid	45		28 - 129					

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-590520/1-A
Matrix: Solid
Analysis Batch: 590887

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590520

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	10.4	U	10.4	4.6	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Antimony	15.5	U	15.5	0.41	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Arsenic	2.1	U	2.1	0.41	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Barium	0.52	U	0.52	0.11	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Cadmium	0.21	U	0.21	0.031	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Calcium	6.81	J	51.8	3.4	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Chromium	0.52	U	0.52	0.21	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Cobalt	0.52	U	0.52	0.052	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Copper	1.0	U	1.0	0.22	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Iron	10.4	U	10.4	3.6	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Lead	1.0	U	1.0	0.25	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Magnesium	1.31	J	20.7	0.96	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Manganese	0.0995	J	0.21	0.033	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Nickel	5.2	U	5.2	0.24	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Potassium	31.1	U	31.1	20.7	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Selenium	4.1	U	4.1	0.41	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Silver	0.62	U	0.62	0.21	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Sodium	145	U	145	13.5	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Thallium	6.2	U	6.2	0.31	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Vanadium	0.52	U	0.52	0.11	mg/Kg		07/27/21 14:33	07/29/21 01:02	1
Zinc	2.1	U	2.1	0.66	mg/Kg		07/27/21 14:33	07/29/21 01:02	1

Lab Sample ID: LCSSRM 480-590520/2-A
Matrix: Solid
Analysis Batch: 590887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590520

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.
							Limits
Aluminum	8190	8213		mg/Kg		100.3	50.1 - 150.2
Antimony	110	89.09		mg/Kg		81.0	22.2 - 254.5
Arsenic	162	137.2		mg/Kg		84.7	70.4 - 130.2
Barium	138	123.1		mg/Kg		89.2	74.6 - 124.6
Beryllium	157	142.9		mg/Kg		91.0	75.2 - 125.5
Cadmium	135	126.3		mg/Kg		93.5	74.8 - 124.4
Calcium	4790	4151		mg/Kg		86.7	72.7 - 127.3
Chromium	117	107.9		mg/Kg		92.3	70.1 - 129.9
Cobalt	92.6	94.85		mg/Kg		102.4	75.1 - 125.3
Copper	143	120.6		mg/Kg		84.3	74.8 - 124.5
Iron	15100	11460		mg/Kg		75.9	37.2 - 162.9
Lead	77.6	70.68		mg/Kg		91.1	68.8 - 131.4

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-590520/2-A
Matrix: Solid
Analysis Batch: 590887

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590520

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Magnesium	2320	2163		mg/Kg		93.2	62.1 - 137.9
Manganese	319	297.5		mg/Kg		93.3	74.9 - 125.1
Nickel	79.9	82.79		mg/Kg		103.6	70.0 - 130.2
Potassium	2050	1976		mg/Kg		96.4	59.5 - 141.0
Selenium	172	151.8		mg/Kg		88.2	68.0 - 132.6
Silver	24.7	19.91		mg/Kg		80.6	67.2 - 133.2
Sodium	137	142.4	J	mg/Kg		104.0	35.8 - 164.2
Thallium	88.0	89.42		mg/Kg		101.6	66.0 - 134.1
Vanadium	99.9	90.73		mg/Kg		90.8	67.4 - 132.1
Zinc	312	265.6		mg/Kg		85.1	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590977/1-A
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0039	mg/Kg		08/02/21 13:48	08/02/21 15:01	1

Lab Sample ID: LCSSRM 480-590977/2-A ^10
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590977

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	24.80		mg/Kg		91.2	59.9 - 140.1

Lab Sample ID: 480-187609-1 MS
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: TP-21-06 (07222021)
Prep Type: Total/NA
Prep Batch: 590977

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.066		0.351	0.376		mg/Kg	⊛	88	80 - 120

Lab Sample ID: 480-187609-1 MSD
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: TP-21-06 (07222021)
Prep Type: Total/NA
Prep Batch: 590977

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.066		0.384	0.438		mg/Kg	⊛	97	80 - 120	15	20

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

GC/MS Semi VOA

Prep Batch: 590867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	3550C	
MB 480-590867/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590867/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 591346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	8270D	590867
MB 480-590867/1-A	Method Blank	Total/NA	Solid	8270D	590867
LCS 480-590867/2-A	Lab Control Sample	Total/NA	Solid	8270D	590867

GC Semi VOA

Prep Batch: 590353

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	8151A	
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 590453

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	3550C	
MB 480-590453/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590453/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 590506

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	3550C	
MB 480-590506/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590506/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-590453/1-A	Method Blank	Total/NA	Solid	8082A	590453

Analysis Batch: 590680

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	8081B	590506
MB 480-590506/1-A	Method Blank	Total/NA	Solid	8081B	590506
LCS 480-590506/2-A	Lab Control Sample	Total/NA	Solid	8081B	590506

Analysis Batch: 590765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	8151A	590353
MB 480-590353/1-A	Method Blank	Total/NA	Solid	8151A	590353
LCS 480-590353/2-A	Lab Control Sample	Total/NA	Solid	8151A	590353

Analysis Batch: 590824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	8082A	590453
LCS 480-590453/2-A	Lab Control Sample	Total/NA	Solid	8082A	590453

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Metals

Prep Batch: 590520

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	3050B	
MB 480-590520/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-590520/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 590887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	6010C	590520
MB 480-590520/1-A	Method Blank	Total/NA	Solid	6010C	590520
LCSSRM 480-590520/2-A	Lab Control Sample	Total/NA	Solid	6010C	590520

Prep Batch: 590977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	7471B	
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590977/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-187609-1 MS	TP-21-06 (07222021)	Total/NA	Solid	7471B	
480-187609-1 MSD	TP-21-06 (07222021)	Total/NA	Solid	7471B	

Analysis Batch: 591381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	7471B	590977
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	590977
LCSSRM 480-590977/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	590977
480-187609-1 MS	TP-21-06 (07222021)	Total/NA	Solid	7471B	590977
480-187609-1 MSD	TP-21-06 (07222021)	Total/NA	Solid	7471B	590977

General Chemistry

Analysis Batch: 590660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187609-1	TP-21-06 (07222021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590660	07/27/21 17:59	IMZ	TAL BUF

Client Sample ID: TP-21-06 (07222021)

Lab Sample ID: 480-187609-1

Date Collected: 07/22/21 16:15

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/03/21 00:12	PJQ	TAL BUF
Total/NA	Prep	3550C			590506	07/27/21 08:13	ADH	TAL BUF
Total/NA	Analysis	8081B		20	590680	07/28/21 13:44	JLS	TAL BUF
Total/NA	Prep	3550C			590453	07/26/21 14:45	ATG	TAL BUF
Total/NA	Analysis	8082A		1	590824	07/28/21 19:21	W1T	TAL BUF
Total/NA	Prep	8151A			590353	07/26/21 06:57	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590765	07/28/21 21:16	JLS	TAL BUF
Total/NA	Prep	3050B			590520	07/27/21 14:33	KMP	TAL BUF
Total/NA	Analysis	6010C		1	590887	07/29/21 02:02	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:04	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187609-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187609-1	TP-21-06 (07222021)	Solid	07/22/21 16:15	07/24/21 08:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187609-1

Login Number: 187609

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187610-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:

8/4/2021 4:24:01 PM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II

(716)504-9838

John.Schove@Eurofinset.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovery is outside acceptable limits biased High.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Job ID: 480-187610-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187610-1

Comments

No additional comments.

Receipt

The samples were received on 7/24/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.1° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591044 recovered above the upper control limit for Vinyl chloride, Chloroethane, Chloromethane, Trichlorofluoromethane and Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-101 (07222021) (480-187610-3), TP-21-111 (07222021) (480-187610-4), TP-21-112 (07222021) (480-187610-5), TP-21-106 (07232021) (480-187610-8), TP-21-103 (07232021) (480-187610-10), TP-21-139 (07232021) (480-187610-12) and TPB-21-140 (07232021) (480-187610-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591044 recovered outside acceptance criteria, low biased, for Cyclohexane and Methylcyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for these analytes, the data have been reported. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-101 (07222021) (480-187610-3), TP-21-111 (07222021) (480-187610-4), TP-21-112 (07222021) (480-187610-5), TP-21-106 (07232021) (480-187610-8), TP-21-103 (07232021) (480-187610-10), TP-21-139 (07232021) (480-187610-12) and TPB-21-140 (07232021) (480-187610-14).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591104 and analytical batch 480-591044 recovered outside control limits for the following analytes: Vinyl chloride and Chloromethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-101 (07222021) (480-187610-3), TP-21-111 (07222021) (480-187610-4), TP-21-112 (07222021) (480-187610-5), TP-21-106 (07232021) (480-187610-8), TP-21-103 (07232021) (480-187610-10), TP-21-139 (07232021) (480-187610-12) and TPB-21-140 (07232021) (480-187610-14).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591104 and analytical batch 480-591044 recovered outside control limits for the following analyte: Bromomethane and Chloroethane. Bromomethane and Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-101 (07222021) (480-187610-3), TP-21-111 (07222021) (480-187610-4), TP-21-112 (07222021) (480-187610-5), TP-21-106 (07232021) (480-187610-8), TP-21-103 (07232021) (480-187610-10), TP-21-139 (07232021) (480-187610-12) and TPB-21-140 (07232021) (480-187610-14).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-590867 and analytical batch 480-591346 recovered within acceptable limits for this analyte and has been qualified with an "E" flag (LCS 480-590867/2-A)

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-591346 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11), TP-21-109 (07232021) (480-187610-13) and TPB-21-137 (07232021) (480-187610-15).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-591346 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Job ID: 480-187610-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The following sample was diluted due to color and appearance: TP-21-113 (07222021) (480-187610-6). Elevated reporting limits (RL) are provided.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-590867 and analytical batch 480-591346 recovered outside control limits for the following surrogate: 2,4,6-Tribromophenol. This surrogate is biased high and no detections were found for associated analytes or are below client reporting limit in the following affected samples: TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11), TP-21-109 (07232021) (480-187610-13) and TPB-21-137 (07232021) (480-187610-15). Therefore, the data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-590989 and analytical batch 480-591017 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. TPB-21-101 (07222021) (480-187610-7)

Method 8081B: The following samples were diluted due to the nature of the sample matrix: TP-21-113 (07222021) (480-187610-6) and TPB-21-137 (07232021) (480-187610-15). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

Method 8151A: The continuing calibration verification (CCV) associated with batch 480-590912 recovered above the upper control limit for 2,4-D. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11), TP-21-109 (07232021) (480-187610-13) and TPB-21-137 (07232021) (480-187610-15).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-591312/23) associated with batch 480-591312, contained Total Iron above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCSSRM 480-590926/2-A) and (MB 480-590926/1-A) was not performed.

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-591312/33) associated with batch 480-591312, contained Total Iron and Manganese above the upper quality control limit. The associated samples were either ND for the affected analytes or contained these analytes at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples (LCSSRM 480-590926/2-A) and (MB 480-590926/1-A) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-591312/32) for analytical batch 480-591312 contained Total Iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples (LCSSRM 480-590926/2-A) and (MB 480-590926/1-A) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-591312/44) for analytical batch 480-591312 contained Total Iron and Manganese above the reporting limit (RL). All reported samples associated with this CCB were either ND for these analytes or contained these analytes at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11) and TP-21-109 (07232021) (480-187610-13) was not performed.

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-591312/45) associated with batch 480-591312, contained

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Job ID: 480-187610-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Total Aluminum, Iron and Manganese above the upper quality control limit. The associated samples were either ND for the affected analytes or contained these analytes at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11) and TP-21-109 (07232021) (480-187610-13) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-591312/56) for analytical batch 480-591312 contained Total Iron above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11), TP-21-109 (07232021) (480-187610-13) and TPB-21-137 (07232021) (480-187610-15) was not performed.

Method 6010C: The continuing calibration blank (CCB 480-591312/56) for analytical batch 480-591312 contained Total Calcium above the reporting limit (RL). All reported samples associated with this CCB were either ND for this analyte or contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples TP-21-113 (07222021) (480-187610-6) and TPB-21-137 (07232021) (480-187610-15) was not performed.

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-591312/57) associated with batch 480-591312, contained Total Iron above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11), TP-21-109 (07232021) (480-187610-13) and TPB-21-137 (07232021) (480-187610-15) was not performed.

Method 6010C: The Low Level Continuing Calibration Verification, (CCVL 480-591312/57) associated with batch 480-591312, contained Total Calcium above the upper quality control limit. The associated samples were either ND for the affected analyte or contained this analyte at a concentration greater than 10X the value found in the CCVL; therefore, re-analysis of samples TP-21-113 (07222021) (480-187610-6) and TPB-21-137 (07232021) (480-187610-15) was not performed.

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: TP-21-102 (07222021) (480-187610-1), TP-21-110 (07222021) (480-187610-2), TPB-21-101 (07222021) (480-187610-7), TP-21-107 (07232021) (480-187610-9), TP-21-127 (07232021) (480-187610-11) and TP-21-109 (07232021) (480-187610-13). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via 3620C, to reduce matrix interferences: TP-21-113 (07222021) (480-187610-6), TPB-21-101 (07222021) (480-187610-7), (480-187610-A-7 MS) and (480-187610-A-7 MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin ketone	0.75	J B	2.1	0.53	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.52	J B	2.1	0.39	ug/Kg	1	✳	8081B	Total/NA
Aluminum	10300	^	12.4	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.3		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	26.6		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.49		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.057	J	0.25	0.037	mg/Kg	1	✳	6010C	Total/NA
Calcium	151000		124	8.2	mg/Kg	2	✳	6010C	Total/NA
Chromium	10.1		0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.6		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	8.8		2.5	0.52	mg/Kg	2	✳	6010C	Total/NA
Iron	11900	^	12.4	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	13.7		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	24800		24.8	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	263	^	0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.0		6.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	3950		37.3	24.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	156	J	174	16.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	13.7		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	15.9		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0054	J	0.019	0.0043	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.40	J	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.63	J B	1.9	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.46	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9620	^	11.6	5.1	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.1		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	21.0		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.54		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Calcium	148000		116	7.7	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.9		0.58	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	7.2		0.58	0.058	mg/Kg	1	✳	6010C	Total/NA
Copper	10.7		2.3	0.49	mg/Kg	2	✳	6010C	Total/NA
Iron	11500	^	11.6	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	17.1		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	19700		23.2	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	245	^	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	13.8		5.8	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	4570		34.8	23.2	mg/Kg	1	✳	6010C	Total/NA
Sodium	158	J	162	15.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.6		0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	10.2		2.3	0.74	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-111 (07222021)

Lab Sample ID: 480-187610-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.3	J	22	3.7	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: TP-21-112 (07222021)

Lab Sample ID: 480-187610-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23		22	3.6	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	790	J	1000	100	ug/Kg	5	✳	8270D	Total/NA
Benzo[a]pyrene	690	J	1000	150	ug/Kg	5	✳	8270D	Total/NA
Benzo[b]fluoranthene	950	J	1000	160	ug/Kg	5	✳	8270D	Total/NA
Benzo[g,h,i]perylene	560	J	1000	110	ug/Kg	5	✳	8270D	Total/NA
Benzo[k]fluoranthene	410	J	1000	130	ug/Kg	5	✳	8270D	Total/NA
Chrysene	790	J	1000	230	ug/Kg	5	✳	8270D	Total/NA
Dibenz(a,h)anthracene	180	J	1000	180	ug/Kg	5	✳	8270D	Total/NA
Fluoranthene	1500		1000	110	ug/Kg	5	✳	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	480	J	1000	130	ug/Kg	5	✳	8270D	Total/NA
Phenanthrene	630	J	1000	150	ug/Kg	5	✳	8270D	Total/NA
Pyrene	1200		1000	120	ug/Kg	5	✳	8270D	Total/NA
4,4'-DDT	9.7	J	40	9.3	ug/Kg	20	✳	8081B	Total/NA
gamma-BHC (Lindane)	11	J B	40	7.3	ug/Kg	20	✳	8081B	Total/NA
Aluminum	9740	^	12.6	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.6		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	77.2		0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.49		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.27		0.25	0.038	mg/Kg	1	✳	6010C	Total/NA
Calcium	79600	B ^	62.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Chromium	12.8		0.63	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.6		0.63	0.063	mg/Kg	1	✳	6010C	Total/NA
Copper	15.0		1.3	0.26	mg/Kg	1	✳	6010C	Total/NA
Iron	13500	^	12.6	4.4	mg/Kg	1	✳	6010C	Total/NA
Lead	27.1		1.3	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	18400		25.2	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	334	^	0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	13.8		6.3	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	2840		37.8	25.2	mg/Kg	1	✳	6010C	Total/NA
Silver	9.2		0.76	0.25	mg/Kg	1	✳	6010C	Total/NA
Sodium	250		176	16.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	16.5		0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	55.3		2.5	0.81	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.031		0.029	0.0066	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin ketone	0.65	J B	1.9	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.57	J B T	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8630	^	12.0	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.0		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	19.6		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021) (Continued)

Lab Sample ID: 480-187610-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.47		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	158000		120	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.9		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.5		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	8.5		2.4	0.51	mg/Kg	2	✳	6010C	Total/NA
Iron	10900	^	12.0	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	13.5		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	22300		24.1	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	249	^	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	13.1		6.0	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4480		36.1	24.1	mg/Kg	1	✳	6010C	Total/NA
Sodium	174		169	15.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.3		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	9.0		2.4	0.77	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TP-21-106 (07232021)

Lab Sample ID: 480-187610-8

No Detections.

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin ketone	0.55	J B	2.0	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.48	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8250	^	11.9	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.4		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	13.9		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.45		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	150000		119	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.8		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.8		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	7.6		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	11000	^	11.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	12.8		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	35400		23.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	252	^	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.8		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	4360		35.7	23.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	151	J	167	15.5	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.3		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.5		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TP-21-103 (07232021)

Lab Sample ID: 480-187610-10

No Detections.

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	7920	^	10.8	4.8	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.3		2.2	0.43	mg/Kg	1	✳	6010C	Total/NA
Barium	13.0		0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.44		0.22	0.030	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-127 (07232021) (Continued)

Lab Sample ID: 480-187610-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Calcium	155000		108	7.1	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.2		0.54	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	3.5		0.54	0.054	mg/Kg	1	✳	6010C	Total/NA
Copper	6.3		2.2	0.45	mg/Kg	2	✳	6010C	Total/NA
Iron	9210	^	10.8	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	12.9		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA
Magnesium	29000		21.6	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	217	^	0.22	0.035	mg/Kg	1	✳	6010C	Total/NA
Nickel	9.7		5.4	0.25	mg/Kg	1	✳	6010C	Total/NA
Potassium	4200		32.4	21.6	mg/Kg	1	✳	6010C	Total/NA
Sodium	158		151	14.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	9.6		0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.0		2.2	0.69	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TP-21-139 (07232021)

Lab Sample ID: 480-187610-12

No Detections.

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7510	^	11.4	5.0	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.3		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	24.6		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.38		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Calcium	173000		114	7.6	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.7		0.57	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.8		0.57	0.057	mg/Kg	1	✳	6010C	Total/NA
Copper	6.1		2.3	0.48	mg/Kg	2	✳	6010C	Total/NA
Iron	9890	^	11.4	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	14.2		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	24200		22.9	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	246	^	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.1		5.7	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	3810		34.3	22.9	mg/Kg	1	✳	6010C	Total/NA
Sodium	203		160	14.9	mg/Kg	1	✳	6010C	Total/NA
Vanadium	9.2		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	6.9		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: TPB-21-140 (07232021)

Lab Sample ID: 480-187610-14

No Detections.

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[b]fluoranthene	31	J	190	31	ug/Kg	1	✳	8270D	Total/NA
Benzo[g,h,i]perylene	28	J	190	21	ug/Kg	1	✳	8270D	Total/NA
Fluoranthene	24	J	190	21	ug/Kg	1	✳	8270D	Total/NA
Pyrene	23	J	190	23	ug/Kg	1	✳	8270D	Total/NA
gamma-BHC (Lindane)	2.3	J B	9.4	1.7	ug/Kg	5	✳	8081B	Total/NA
Aluminum	10200		12.1	5.3	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-137 (07232021) (Continued)

Lab Sample ID: 480-187610-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.0		2.4	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	29.9		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.47		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.059	J	0.24	0.036	mg/Kg	1	✳	6010C	Total/NA
Calcium	106000	B ^	60.7	4.0	mg/Kg	1	✳	6010C	Total/NA
Chromium	10.6		0.61	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.8		0.61	0.061	mg/Kg	1	✳	6010C	Total/NA
Copper	7.0		1.2	0.25	mg/Kg	1	✳	6010C	Total/NA
Iron	11700	^	12.1	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	12.3		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	24200		24.3	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	274		0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	14.2		6.1	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4210		36.4	24.3	mg/Kg	1	✳	6010C	Total/NA
Sodium	163	J	170	15.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	14.2		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	41.5		2.4	0.78	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0061	J	0.024	0.0056	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.2	U	5.2	0.38	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,1,1,2-Tetrachloroethane	5.2	U	5.2	0.85	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.2	U	5.2	1.2	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,1,2-Trichloroethane	5.2	U	5.2	0.68	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,1-Dichloroethane	5.2	U	5.2	0.64	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,1-Dichloroethene	5.2	U	5.2	0.64	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2,4-Trichlorobenzene	5.2	U	5.2	0.32	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2-Dibromo-3-Chloropropane	5.2	U	5.2	2.6	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2-Dibromoethane	5.2	U	5.2	0.67	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2-Dichlorobenzene	5.2	U	5.2	0.41	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2-Dichloroethane	5.2	U	5.2	0.26	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,2-Dichloropropane	5.2	U	5.2	2.6	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,3-Dichlorobenzene	5.2	U	5.2	0.27	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
1,4-Dichlorobenzene	5.2	U	5.2	0.73	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
2-Butanone (MEK)	26	U	26	1.9	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
2-Hexanone	26	U	26	2.6	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Acetone	26	U	26	4.4	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Benzene	5.2	U	5.2	0.26	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Bromodichloromethane	5.2	U	5.2	0.70	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Bromoform	5.2	U	5.2	2.6	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Bromomethane	5.2	U TH	5.2	0.47	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Carbon disulfide	5.2	U	5.2	2.6	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Carbon tetrachloride	5.2	U	5.2	0.50	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Chlorobenzene	5.2	U	5.2	0.69	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Chloroethane	5.2	U TH	5.2	1.2	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Chloroform	5.2	U	5.2	0.32	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Chloromethane	5.2	U TH	5.2	0.32	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
cis-1,2-Dichloroethene	5.2	U	5.2	0.67	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
cis-1,3-Dichloropropene	5.2	U	5.2	0.75	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Cyclohexane	5.2	U	5.2	0.73	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Dibromochloromethane	5.2	U	5.2	0.67	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Dichlorodifluoromethane	5.2	U	5.2	0.43	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Ethylbenzene	5.2	U	5.2	0.36	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Isopropylbenzene	5.2	U	5.2	0.79	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Methyl acetate	26	U	26	3.2	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Methyl tert-butyl ether	5.2	U	5.2	0.51	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Methylcyclohexane	5.2	U	5.2	0.79	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Methylene Chloride	5.2	U	5.2	2.4	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Styrene	5.2	U	5.2	0.26	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Tetrachloroethene	5.2	U	5.2	0.70	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Toluene	5.2	U	5.2	0.39	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
trans-1,2-Dichloroethene	5.2	U	5.2	0.54	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
trans-1,3-Dichloropropene	5.2	U	5.2	2.3	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Trichloroethene	5.2	U	5.2	1.1	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Trichlorofluoromethane	5.2	U	5.2	0.49	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Vinyl chloride	5.2	U TH	5.2	0.64	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1
Xylenes, Total	10	U	10	0.88	ug/Kg	✳	07/24/21 10:00	07/30/21 14:00	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>07/24/21 10:00</i>	<i>07/30/21 14:00</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>115</i>		<i>64 - 126</i>				<i>07/24/21 10:00</i>	<i>07/30/21 14:00</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>101</i>		<i>72 - 126</i>				<i>07/24/21 10:00</i>	<i>07/30/21 14:00</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>107</i>		<i>60 - 140</i>				<i>07/24/21 10:00</i>	<i>07/30/21 14:00</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>97</i>		<i>71 - 125</i>				<i>07/24/21 10:00</i>	<i>07/30/21 14:00</i>	<i>1</i>

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2,4,5-Tetrachlorobenzene	220	U	220	37	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
1,4-Dioxane	130	U	130	70	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,3,4,6-Tetrachlorophenol	220	U	220	44	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4,5-Trichlorophenol	220	U	220	58	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4,6-Trichlorophenol	220	U	220	43	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4-Dichlorophenol	220	U	220	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4-Dimethylphenol	220	U	220	52	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4-Dinitrophenol	2100	U	2100	990	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,4-Dinitrotoluene	220	U	220	44	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2,6-Dinitrotoluene	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Chloronaphthalene	220	U	220	36	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Chlorophenol	420	U	420	39	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Methylnaphthalene	220	U	220	43	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Methylphenol	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Nitroaniline	420	U	420	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
2-Nitrophenol	220	U	220	61	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
3,3'-Dichlorobenzidine	420	U	420	250	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
3-Nitroaniline	420	U	420	60	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4,6-Dinitro-2-methylphenol	420	U	420	220	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Bromophenyl phenyl ether	220	U	220	30	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Chloro-3-methylphenol	220	U	220	53	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Chloroaniline	220	U	220	53	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Chlorophenyl phenyl ether	220	U	220	27	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Methylphenol	420	U	420	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Nitroaniline	420	U	420	110	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
4-Nitrophenol	420	U	420	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Acenaphthene	220	U	220	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Acenaphthylene	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Acetophenone	220	U	220	29	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Anthracene	220	U	220	53	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Atrazine	220	U	220	75	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzaldehyde	220	U	220	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzo[a]anthracene	220	U	220	22	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzo[a]pyrene	220	U	220	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzo[b]fluoranthene	220	U	220	34	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzo[g,h,i]perylene	220	U	220	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Benzo[k]fluoranthene	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Biphenyl	220	U	220	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
bis (2-chloroisopropyl) ether	220	U	220	43	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Bis(2-chloroethoxy)methane	220	U	220	46	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Bis(2-ethylhexyl) phthalate	220	U	220	74	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Butyl benzyl phthalate	220	U	220	36	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Caprolactam	220	U	220	65	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Carbazole	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Chrysene	220	U	220	48	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Dibenz(a,h)anthracene	220	U	220	38	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Dibenzofuran	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Diethyl phthalate	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Dimethyl phthalate	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Di-n-butyl phthalate	220	U	220	37	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Di-n-octyl phthalate	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Fluoranthene	220	U	220	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Fluorene	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Hexachlorobenzene	220	U	220	29	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Hexachlorobutadiene	220	U	220	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Hexachlorocyclopentadiene	220	U	220	29	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Hexachloroethane	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Indeno[1,2,3-cd]pyrene	220	U	220	27	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Isophorone	220	U	220	46	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Naphthalene	220	U	220	28	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Nitrobenzene	220	U	220	24	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
N-Nitrosodi-n-propylamine	220	U	220	37	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
N-Nitrosodiphenylamine	220	U	220	180	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Pentachlorophenol	420	U	420	220	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Phenanthrene	220	U	220	32	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Phenol	220	U	220	33	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1
Pyrene	220	U	220	25	ug/Kg	☼	07/29/21 08:25	08/02/21 17:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1700	T J	ug/Kg	☼	1.89		07/29/21 08:25	08/02/21 17:02	1
Unknown	380	T J	ug/Kg	☼	3.29		07/29/21 08:25	08/02/21 17:02	1
Ethane, 1,1,2,2-tetrachloro-	180	T J N	ug/Kg	☼	4.47	79-34-5	07/29/21 08:25	08/02/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	07/29/21 08:25	08/02/21 17:02	1
2-Fluorobiphenyl (Surr)	76		60 - 120	07/29/21 08:25	08/02/21 17:02	1
2-Fluorophenol (Surr)	66		52 - 120	07/29/21 08:25	08/02/21 17:02	1
Nitrobenzene-d5 (Surr)	72		53 - 120	07/29/21 08:25	08/02/21 17:02	1
Phenol-d5 (Surr)	69		54 - 120	07/29/21 08:25	08/02/21 17:02	1
p-Terphenyl-d14 (Surr)	86		79 - 130	07/29/21 08:25	08/02/21 17:02	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.1	U	2.1	0.41	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
4,4'-DDE	2.1	U	2.1	0.45	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
4,4'-DDT	2.1	U	2.1	0.50	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Aldrin	2.1	U	2.1	0.53	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
alpha-BHC	2.1	U	2.1	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
beta-BHC	2.1	U	2.1	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-Chlordane	2.1	U	2.1	1.1	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
delta-BHC	2.1	U	2.1	0.40	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Dieldrin	2.1	U	2.1	0.51	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endosulfan I	2.1	U	2.1	0.41	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endosulfan II	2.1	U	2.1	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endosulfan sulfate	2.1	U	2.1	0.40	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endrin	2.1	U	2.1	0.42	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endrin aldehyde	2.1	U	2.1	0.55	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Endrin ketone	0.75	J B	2.1	0.53	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
gamma-BHC (Lindane)	0.52	J B	2.1	0.39	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Heptachlor	2.1	U	2.1	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Heptachlor epoxide	2.1	U	2.1	0.55	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Methoxychlor	2.1	U	2.1	0.44	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Toxaphene	21	U	21	12	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
trans-Chlordane	2.1	U	2.1	0.68	ug/Kg	☼	07/29/21 17:22	07/30/21 11:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	104		45 - 120				07/29/21 17:22	07/30/21 11:35	1
DCB Decachlorobiphenyl	88		45 - 120				07/29/21 17:22	07/30/21 11:35	1
Tetrachloro-m-xylene	96		30 - 124				07/29/21 17:22	07/30/21 11:35	1
Tetrachloro-m-xylene	74		30 - 124				07/29/21 17:22	07/30/21 11:35	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.046	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1221	0.24	U	0.24	0.046	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1232	0.24	U	0.24	0.046	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1242	0.24	U	0.24	0.046	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1248	0.24	U	0.24	0.046	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	☼	07/27/21 08:43	07/30/21 00:19	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154				07/27/21 08:43	07/30/21 00:19	1
Tetrachloro-m-xylene	120		60 - 154				07/27/21 08:43	07/30/21 00:19	1
DCB Decachlorobiphenyl	109		65 - 174				07/27/21 08:43	07/30/21 00:19	1
DCB Decachlorobiphenyl	111		65 - 174				07/27/21 08:43	07/30/21 00:19	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	21	U	21	13	ug/Kg	☼	07/27/21 06:44	07/29/21 14:58	1
Silvex (2,4,5-TP)	21	U	21	7.7	ug/Kg	☼	07/27/21 06:44	07/29/21 14:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	74		28 - 129				07/27/21 06:44	07/29/21 14:58	1
2,4-Dichlorophenylacetic acid	68		28 - 129				07/27/21 06:44	07/29/21 14:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10300	^	12.4	5.5	mg/Kg	☼	07/29/21 15:56	07/30/21 21:28	1
Antimony	18.6	U	18.6	0.50	mg/Kg	☼	07/29/21 15:56	07/30/21 21:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.3		2.5	0.50	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Barium	26.6		0.62	0.14	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Beryllium	0.49		0.25	0.035	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Cadmium	0.057	J	0.25	0.037	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Calcium	151000		124	8.2	mg/Kg	✳	07/29/21 15:56	08/02/21 12:25	2
Chromium	10.1		0.62	0.25	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Cobalt	4.6		0.62	0.062	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Copper	8.8		2.5	0.52	mg/Kg	✳	07/29/21 15:56	08/02/21 12:25	2
Iron	11900	^	12.4	4.3	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Lead	13.7		1.2	0.30	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Magnesium	24800		24.8	1.2	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Manganese	263	^	0.25	0.040	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Nickel	11.0		6.2	0.29	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Potassium	3950		37.3	24.8	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Selenium	5.0	U	5.0	0.50	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Silver	0.75	U	0.75	0.25	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Sodium	156	J	174	16.1	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Thallium	7.5	U	7.5	0.37	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Vanadium	13.7		0.62	0.14	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1
Zinc	15.9		2.5	0.80	mg/Kg	✳	07/29/21 15:56	07/30/21 21:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0054	J	0.019	0.0043	mg/Kg	✳	08/02/21 13:48	08/02/21 15:32	1

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
1,4-Dioxane	110	U	110	63	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Chlorophenol	380	U	380	36	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Methylphenol	200	U	200	23	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Nitroaniline	380	U	380	29	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
2-Nitrophenol	200	U	200	55	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
3-Nitroaniline	380	U	380	54	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	✳	07/29/21 08:25	08/02/21 16:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Chloro-3-methylphenol	200	U	200	48	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Chloroaniline	200	U	200	48	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Methylphenol	380	U	380	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Acenaphthene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Acenaphthylene	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Acetophenone	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Anthracene	200	U	200	48	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Atrazine	200	U	200	68	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzaldehyde	200	U	200	160	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Biphenyl	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Bis(2-chloroethoxy)methane	200	U	200	41	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Caprolactam	200	U	200	59	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Carbazole	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Chrysene	200	U	200	44	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Dibenz(a,h)anthracene	200	U	200	34	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Dibenzofuran	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Diethyl phthalate	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Dimethyl phthalate	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Di-n-butyl phthalate	200	U	200	33	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Fluoranthene	200	U	200	21	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Fluorene	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Hexachlorobenzene	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Hexachlorocyclopentadiene	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Hexachloroethane	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Isophorone	200	U	200	41	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Naphthalene	200	U	200	25	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Nitrobenzene	200	U	200	22	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Pentachlorophenol	380	U	380	200	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Phenanthrene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Phenol	200	U	200	30	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1
Pyrene	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 16:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2300	T J	ug/Kg	☼	1.91		07/29/21 08:25	08/02/21 16:38	1
Unknown	280	T J	ug/Kg	☼	3.29		07/29/21 08:25	08/02/21 16:38	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120				07/29/21 08:25	08/02/21 16:38	1
2-Fluorobiphenyl (Surr)	83		60 - 120				07/29/21 08:25	08/02/21 16:38	1
2-Fluorophenol (Surr)	70		52 - 120				07/29/21 08:25	08/02/21 16:38	1
Nitrobenzene-d5 (Surr)	80		53 - 120				07/29/21 08:25	08/02/21 16:38	1
Phenol-d5 (Surr)	76		54 - 120				07/29/21 08:25	08/02/21 16:38	1
p-Terphenyl-d14 (Surr)	97		79 - 130				07/29/21 08:25	08/02/21 16:38	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
beta-BHC	0.40	J	1.9	0.34	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
cis-Chlordane	1.9	U	1.9	0.93	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Endrin ketone	0.63	J B	1.9	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
gamma-BHC (Lindane)	0.46	J B	1.9	0.34	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Heptachlor	1.9	U	1.9	0.40	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1
trans-Chlordane	1.9	U	1.9	0.59	ug/Kg	☼	07/29/21 17:22	07/30/21 11:54	1

Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		45 - 120				07/29/21 17:22	07/30/21 11:54	1
DCB Decachlorobiphenyl	89		45 - 120				07/29/21 17:22	07/30/21 11:54	1
Tetrachloro-m-xylene	95		30 - 124				07/29/21 17:22	07/30/21 11:54	1
Tetrachloro-m-xylene	74		30 - 124				07/29/21 17:22	07/30/21 11:54	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.048	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1221	0.25	U	0.25	0.048	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1232	0.25	U	0.25	0.048	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1242	0.25	U	0.25	0.048	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1248	0.25	U	0.25	0.048	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 00:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	123		60 - 154	07/27/21 08:43	07/30/21 00:32	1
Tetrachloro-m-xylene	130		60 - 154	07/27/21 08:43	07/30/21 00:32	1
DCB Decachlorobiphenyl	117		65 - 174	07/27/21 08:43	07/30/21 00:32	1
DCB Decachlorobiphenyl	124		65 - 174	07/27/21 08:43	07/30/21 00:32	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	07/27/21 06:44	07/29/21 15:27	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	✱	07/27/21 06:44	07/29/21 15:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	72		28 - 129	07/27/21 06:44	07/29/21 15:27	1
2,4-Dichlorophenylacetic acid	68		28 - 129	07/27/21 06:44	07/29/21 15:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9620	^	11.6	5.1	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Antimony	17.4	U	17.4	0.46	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Arsenic	6.1		2.3	0.46	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Barium	21.0		0.58	0.13	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Beryllium	0.54		0.23	0.032	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Cadmium	0.23	U	0.23	0.035	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Calcium	148000		116	7.7	mg/Kg	✱	07/29/21 15:56	08/02/21 12:40	2
Chromium	9.9		0.58	0.23	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Cobalt	7.2		0.58	0.058	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Copper	10.7		2.3	0.49	mg/Kg	✱	07/29/21 15:56	08/02/21 12:40	2
Iron	11500	^	11.6	4.1	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Lead	17.1		1.2	0.28	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Magnesium	19700		23.2	1.1	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Manganese	245	^	0.23	0.037	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Nickel	13.8		5.8	0.27	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Potassium	4570		34.8	23.2	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Selenium	4.6	U	4.6	0.46	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Silver	0.70	U	0.70	0.23	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Sodium	158	J	162	15.1	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Thallium	7.0	U	7.0	0.35	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Vanadium	11.6		0.58	0.13	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1
Zinc	10.2		2.3	0.74	mg/Kg	✱	07/29/21 15:56	07/30/21 21:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0050	mg/Kg	✱	08/02/21 13:48	08/02/21 15:34	1

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

Date Collected: 07/22/21 16:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	✱	07/24/21 10:00	07/30/21 14:24	1
1,1,1,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	✱	07/24/21 10:00	07/30/21 14:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

Date Collected: 07/22/21 16:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.99	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.26	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Acetone	22	U	22	3.7	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Bromomethane	4.4	U TH	4.4	0.39	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Chloroethane	4.4	U TH	4.4	0.98	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Chloromethane	4.4	U TH	4.4	0.26	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Tetrachloroethene	4.4	U	4.4	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Vinyl chloride	4.4	U TH	4.4	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	07/24/21 10:00	07/30/21 14:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 14:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

Date Collected: 07/22/21 16:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		64 - 126	07/24/21 10:00	07/30/21 14:24	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/24/21 10:00	07/30/21 14:24	1
Dibromofluoromethane (Surr)	107		60 - 140	07/24/21 10:00	07/30/21 14:24	1
Toluene-d8 (Surr)	95		71 - 125	07/24/21 10:00	07/30/21 14:24	1

Client Sample ID: TP-21-111 (07222021)

Lab Sample ID: 480-187610-4

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	1.0	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,1-Dichloroethane	4.4	U	4.4	0.54	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,1-Dichloroethene	4.4	U	4.4	0.54	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,3-Dichlorobenzene	4.4	U	4.4	0.23	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
1,4-Dichlorobenzene	4.4	U	4.4	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Acetone	6.3	J	22	3.7	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Benzene	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Bromodichloromethane	4.4	U	4.4	0.59	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Bromomethane	4.4	U TH	4.4	0.40	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Carbon tetrachloride	4.4	U	4.4	0.43	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Chloroethane	4.4	U TH	4.4	0.99	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Chloromethane	4.4	U TH	4.4	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Cyclohexane	4.4	U	4.4	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Methylcyclohexane	4.4	U	4.4	0.67	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-111 (07222021)

Lab Sample ID: 480-187610-4

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Tetrachloroethene	4.4	U	4.4	0.59	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Trichloroethene	4.4	U	4.4	0.97	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Trichlorofluoromethane	4.4	U	4.4	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Vinyl chloride	4.4	U TH	4.4	0.54	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1
Xylenes, Total	8.8	U	8.8	0.74	ug/Kg	☼	07/24/21 10:00	07/30/21 14:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 14:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/24/21 10:00	07/30/21 14:48	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/24/21 10:00	07/30/21 14:48	1
Dibromofluoromethane (Surr)	107		60 - 140	07/24/21 10:00	07/30/21 14:48	1
Toluene-d8 (Surr)	98		71 - 125	07/24/21 10:00	07/30/21 14:48	1

Client Sample ID: TP-21-112 (07222021)

Lab Sample ID: 480-187610-5

Date Collected: 07/22/21 16:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,1,1,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,1-Dichloroethane	4.3	U	4.3	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,2-Dichloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Acetone	23		22	3.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Bromoform	4.3	U	4.3	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Bromomethane	4.3	U TH	4.3	0.39	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Carbon disulfide	4.3	U	4.3	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-112 (07222021)

Lab Sample ID: 480-187610-5

Date Collected: 07/22/21 16:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	4.3	U TH	4.3	0.98	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Chloromethane	4.3	U TH	4.3	0.26	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Methylcyclohexane	4.3	U	4.3	0.66	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Styrene	4.3	U	4.3	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Toluene	4.3	U	4.3	0.33	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Trichloroethene	4.3	U	4.3	0.95	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Vinyl chloride	4.3	U TH	4.3	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	07/24/21 10:00	07/30/21 15:13	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	114		64 - 126	07/24/21 10:00	07/30/21 15:13	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/24/21 10:00	07/30/21 15:13	1
Dibromofluoromethane (Surr)	109		60 - 140	07/24/21 10:00	07/30/21 15:13	1
Toluene-d8 (Surr)	98		71 - 125	07/24/21 10:00	07/30/21 15:13	1

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1000	U	1000	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
1,4-Dioxane	600	U	600	330	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,3,4,6-Tetrachlorophenol	1000	U	1000	210	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4,5-Trichlorophenol	1000	U	1000	280	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4,6-Trichlorophenol	1000	U	1000	200	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4-Dichlorophenol	1000	U	1000	110	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4-Dimethylphenol	1000	U	1000	250	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4-Dinitrophenol	9900	U	9900	4700	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,4-Dinitrotoluene	1000	U	1000	210	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2,6-Dinitrotoluene	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2-Chloronaphthalene	1000	U	1000	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	2000	U	2000	190	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2-Methylnaphthalene	1000	U	1000	200	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2-Methylphenol	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2-Nitroaniline	2000	U	2000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
2-Nitrophenol	1000	U	1000	290	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
3,3'-Dichlorobenzidine	2000	U	2000	1200	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
3-Nitroaniline	2000	U	2000	280	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4,6-Dinitro-2-methylphenol	2000	U	2000	1000	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Bromophenyl phenyl ether	1000	U	1000	140	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Chloro-3-methylphenol	1000	U	1000	250	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Chloroaniline	1000	U	1000	250	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Chlorophenyl phenyl ether	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Methylphenol	2000	U	2000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Nitroaniline	2000	U	2000	530	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
4-Nitrophenol	2000	U	2000	710	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Acenaphthene	1000	U	1000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Acenaphthylene	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Acetophenone	1000	U	1000	140	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Anthracene	1000	U	1000	250	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Atrazine	1000	U	1000	350	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzaldehyde	1000	U	1000	810	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzo[a]anthracene	790	J	1000	100	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzo[a]pyrene	690	J	1000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzo[b]fluoranthene	950	J	1000	160	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzo[g,h,i]perylene	560	J	1000	110	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Benzo[k]fluoranthene	410	J	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Biphenyl	1000	U	1000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
bis (2-chloroisopropyl) ether	1000	U	1000	200	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Bis(2-chloroethoxy)methane	1000	U	1000	220	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Bis(2-chloroethyl)ether	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	350	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Butyl benzyl phthalate	1000	U	1000	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Caprolactam	1000	U	1000	310	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Carbazole	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Chrysene	790	J	1000	230	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Dibenz(a,h)anthracene	180	J	1000	180	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Dibenzofuran	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Diethyl phthalate	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Dimethyl phthalate	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Di-n-butyl phthalate	1000	U	1000	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Di-n-octyl phthalate	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Fluoranthene	1500		1000	110	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Fluorene	1000	U	1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Hexachlorobutadiene	1000	U	1000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Hexachlorocyclopentadiene	1000	U	1000	140	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Hexachloroethane	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Indeno[1,2,3-cd]pyrene	480	J	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Isophorone	1000	U	1000	220	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	1000	U	1000	130	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Nitrobenzene	1000	U	1000	110	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
N-Nitrosodi-n-propylamine	1000	U	1000	170	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
N-Nitrosodiphenylamine	1000	U	1000	830	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Pentachlorophenol	2000	U	2000	1000	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Phenanthrene	630	J	1000	150	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Phenol	1000	U	1000	160	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5
Pyrene	1200		1000	120	ug/Kg	☼	07/29/21 08:25	08/02/21 17:27	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 08:25	08/02/21 17:27	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	115		54 - 120	07/29/21 08:25	08/02/21 17:27	5
2-Fluorobiphenyl (Surr)	99		60 - 120	07/29/21 08:25	08/02/21 17:27	5
2-Fluorophenol (Surr)	85		52 - 120	07/29/21 08:25	08/02/21 17:27	5
Nitrobenzene-d5 (Surr)	96		53 - 120	07/29/21 08:25	08/02/21 17:27	5
Phenol-d5 (Surr)	89		54 - 120	07/29/21 08:25	08/02/21 17:27	5
p-Terphenyl-d14 (Surr)	116		79 - 130	07/29/21 08:25	08/02/21 17:27	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	40	U	40	7.8	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
4,4'-DDE	40	U	40	8.4	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
4,4'-DDT	9.7	J	40	9.3	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Aldrin	40	U	40	9.8	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
alpha-BHC	40	U	40	7.2	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
beta-BHC	40	U	40	7.2	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
cis-Chlordane	40	U	40	20	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
delta-BHC	40	U	40	7.4	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Dieldrin	40	U	40	9.6	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endosulfan I	40	U	40	7.7	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endosulfan II	40	U	40	7.2	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endosulfan sulfate	40	U	40	7.5	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endrin	40	U	40	7.9	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endrin aldehyde	40	U	40	10	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Endrin ketone	40	U	40	9.8	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
gamma-BHC (Lindane)	11	J B	40	7.3	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Heptachlor	40	U	40	8.7	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Heptachlor epoxide	40	U	40	10	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Methoxychlor	40	U	40	8.2	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
Toxaphene	400	U	400	230	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20
trans-Chlordane	40	U	40	13	ug/Kg	☼	07/29/21 17:22	07/30/21 12:14	20

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	119		45 - 120	07/29/21 17:22	07/30/21 12:14	20
DCB Decachlorobiphenyl	161	TH	45 - 120	07/29/21 17:22	07/30/21 12:14	20
Tetrachloro-m-xylene	0	TL	30 - 124	07/29/21 17:22	07/30/21 12:14	20
Tetrachloro-m-xylene	0	TL	30 - 124	07/29/21 17:22	07/30/21 12:14	20

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	✳	07/27/21 08:43	07/30/21 00:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	116		60 - 154	07/27/21 08:43	07/30/21 00:45	1
Tetrachloro-m-xylene	122		60 - 154	07/27/21 08:43	07/30/21 00:45	1
DCB Decachlorobiphenyl	109		65 - 174	07/27/21 08:43	07/30/21 00:45	1
DCB Decachlorobiphenyl	118		65 - 174	07/27/21 08:43	07/30/21 00:45	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✳	07/27/21 06:44	07/29/21 15:57	1
Silvex (2,4,5-TP)	20	U	20	7.0	ug/Kg	✳	07/27/21 06:44	07/29/21 15:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	53		28 - 129	07/27/21 06:44	07/29/21 15:57	1
2,4-Dichlorophenylacetic acid	70		28 - 129	07/27/21 06:44	07/29/21 15:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9740	^	12.6	5.5	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Antimony	18.9	U	18.9	0.50	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Arsenic	4.6		2.5	0.50	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Barium	77.2		0.63	0.14	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Beryllium	0.49		0.25	0.035	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Cadmium	0.27		0.25	0.038	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Calcium	79600	B ^	62.9	4.2	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Chromium	12.8		0.63	0.25	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Cobalt	5.6		0.63	0.063	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Copper	15.0		1.3	0.26	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Iron	13500	^	12.6	4.4	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Lead	27.1		1.3	0.30	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Magnesium	18400		25.2	1.2	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Manganese	334	^	0.25	0.040	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Nickel	13.8		6.3	0.29	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Potassium	2840		37.8	25.2	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Selenium	5.0	U	5.0	0.50	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Silver	9.2		0.76	0.25	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Sodium	250		176	16.4	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Thallium	7.6	U	7.6	0.38	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Vanadium	16.5		0.63	0.14	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1
Zinc	55.3		2.5	0.81	mg/Kg	✳	07/29/21 15:56	07/30/21 21:36	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.031		0.029	0.0066	mg/Kg	✳	08/02/21 13:48	08/02/21 15:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
1,4-Dioxane	120	U	120	64	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Chlorophenol	380	U	380	36	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Methylphenol	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Nitroaniline	380	U	380	29	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
2-Nitrophenol	200	U	200	56	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
3-Nitroaniline	380	U	380	55	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Chloroaniline	200	U	200	49	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Methylphenol	380	U	380	23	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Acenaphthene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Acenaphthylene	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Acetophenone	200	U	200	27	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Anthracene	200	U	200	49	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Atrazine	200	U	200	69	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzaldehyde	200	U	200	160	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Biphenyl	200	U	200	29	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Caprolactam	200	U	200	59	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Carbazole	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Chrysene	200	U	200	44	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Dibenzofuran	200	U	200	23	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1
Diethyl phthalate	200	U	200	26	ug/Kg	✱	07/29/21 08:25	08/02/21 17:51	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Fluorene	200	U	200	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Isophorone	200	U	200	42	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Phenol	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1
Pyrene	200	U	200	23	ug/Kg	☼	07/29/21 08:25	08/02/21 17:51	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2800	T J	ug/Kg	☼	1.91		07/29/21 08:25	08/02/21 17:51	1
Unknown	160	T J	ug/Kg	☼	1.96		07/29/21 08:25	08/02/21 17:51	1
Unknown	710	T J	ug/Kg	☼	3.29		07/29/21 08:25	08/02/21 17:51	1
Ethane, 1,1,2,2-tetrachloro-	310	T J N	ug/Kg	☼	4.47	79-34-5	07/29/21 08:25	08/02/21 17:51	1
Unknown	970	T J	ug/Kg	☼	12.76		07/29/21 08:25	08/02/21 17:51	1
Unknown	160	T J	ug/Kg	☼	13.39		07/29/21 08:25	08/02/21 17:51	1
Unknown	160	T J	ug/Kg	☼	13.65		07/29/21 08:25	08/02/21 17:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		54 - 120	07/29/21 08:25	08/02/21 17:51	1
2-Fluorobiphenyl (Surr)	77		60 - 120	07/29/21 08:25	08/02/21 17:51	1
2-Fluorophenol (Surr)	67		52 - 120	07/29/21 08:25	08/02/21 17:51	1
Nitrobenzene-d5 (Surr)	73		53 - 120	07/29/21 08:25	08/02/21 17:51	1
Phenol-d5 (Surr)	68		54 - 120	07/29/21 08:25	08/02/21 17:51	1
p-Terphenyl-d14 (Surr)	106		79 - 130	07/29/21 08:25	08/02/21 17:51	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Aldrin	1.9	U T	1.9	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
beta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
delta-BHC	1.9	U T	1.9	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Endrin ketone	0.65	J B	1.9	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
gamma-BHC (Lindane)	0.57	J B T	1.9	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Toxaphene	19	U	19	11	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	☼	07/29/21 17:22	07/30/21 11:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		45 - 120				07/29/21 17:22	07/30/21 11:15	1
DCB Decachlorobiphenyl	74		45 - 120				07/29/21 17:22	07/30/21 11:15	1
Tetrachloro-m-xylene	75		30 - 124				07/29/21 17:22	07/30/21 11:15	1
Tetrachloro-m-xylene	58		30 - 124				07/29/21 17:22	07/30/21 11:15	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 00:58	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154				07/27/21 08:43	07/30/21 00:58	1
Tetrachloro-m-xylene	116		60 - 154				07/27/21 08:43	07/30/21 00:58	1
DCB Decachlorobiphenyl	102		65 - 174				07/27/21 08:43	07/30/21 00:58	1
DCB Decachlorobiphenyl	108		65 - 174				07/27/21 08:43	07/30/21 00:58	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/27/21 06:44	07/29/21 16:27	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	☼	07/27/21 06:44	07/29/21 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129				07/27/21 06:44	07/29/21 16:27	1
2,4-Dichlorophenylacetic acid	71		28 - 129				07/27/21 06:44	07/29/21 16:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8630	^	12.0	5.3	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Antimony	18.1	U	18.1	0.48	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Arsenic	5.0		2.4	0.48	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Barium	19.6		0.60	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Beryllium	0.47		0.24	0.034	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Calcium	158000		120	7.9	mg/Kg	☼	07/29/21 15:56	08/02/21 12:43	2

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	8.9		0.60	0.24	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Cobalt	6.5		0.60	0.060	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Copper	8.5		2.4	0.51	mg/Kg	☼	07/29/21 15:56	08/02/21 12:43	2
Iron	10900	^	12.0	4.2	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Lead	13.5		1.2	0.29	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Magnesium	22300		24.1	1.1	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Manganese	249	^	0.24	0.039	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Nickel	13.1		6.0	0.28	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Potassium	4480		36.1	24.1	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Selenium	4.8	U	4.8	0.48	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Sodium	174		169	15.6	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Vanadium	10.3		0.60	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1
Zinc	9.0		2.4	0.77	mg/Kg	☼	07/29/21 15:56	07/30/21 21:40	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	U	0.025	0.0057	mg/Kg	☼	08/02/21 13:48	08/02/21 15:36	1

Client Sample ID: TP-21-106 (07232021)

Lab Sample ID: 480-187610-8

Date Collected: 07/23/21 07:44

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.2	U	3.2	0.24	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,1,2,2-Tetrachloroethane	3.2	U	3.2	0.53	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.2	U	3.2	0.74	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,1,2-Trichloroethane	3.2	U	3.2	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,1-Dichloroethane	3.2	U	3.2	0.40	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,1-Dichloroethene	3.2	U	3.2	0.40	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2,4-Trichlorobenzene	3.2	U	3.2	0.20	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2-Dibromo-3-Chloropropane	3.2	U	3.2	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2-Dibromoethane	3.2	U	3.2	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2-Dichlorobenzene	3.2	U	3.2	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2-Dichloroethane	3.2	U	3.2	0.16	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,2-Dichloropropane	3.2	U	3.2	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,3-Dichlorobenzene	3.2	U	3.2	0.17	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
1,4-Dichlorobenzene	3.2	U	3.2	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
2-Butanone (MEK)	16	U	16	1.2	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
2-Hexanone	16	U	16	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
4-Methyl-2-pentanone (MIBK)	16	U	16	1.1	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Acetone	16	U	16	2.7	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Benzene	3.2	U	3.2	0.16	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Bromodichloromethane	3.2	U	3.2	0.44	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Bromoform	3.2	U	3.2	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Bromomethane	3.2	U TH	3.2	0.29	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Carbon disulfide	3.2	U	3.2	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Carbon tetrachloride	3.2	U	3.2	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-106 (07232021)

Lab Sample ID: 480-187610-8

Date Collected: 07/23/21 07:44

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 91.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	3.2	U	3.2	0.43	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Chloroethane	3.2	U TH	3.2	0.73	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Chloroform	3.2	U	3.2	0.20	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Chloromethane	3.2	U TH	3.2	0.20	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
cis-1,2-Dichloroethene	3.2	U	3.2	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
cis-1,3-Dichloropropene	3.2	U	3.2	0.47	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Cyclohexane	3.2	U	3.2	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Dibromochloromethane	3.2	U	3.2	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Dichlorodifluoromethane	3.2	U	3.2	0.27	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Ethylbenzene	3.2	U	3.2	0.22	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Isopropylbenzene	3.2	U	3.2	0.49	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Methyl acetate	16	U	16	2.0	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Methyl tert-butyl ether	3.2	U	3.2	0.32	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Methylcyclohexane	3.2	U	3.2	0.49	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Methylene Chloride	3.2	U	3.2	1.5	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Styrene	3.2	U	3.2	0.16	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Tetrachloroethene	3.2	U	3.2	0.44	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Toluene	3.2	U	3.2	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
trans-1,2-Dichloroethene	3.2	U	3.2	0.34	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
trans-1,3-Dichloropropene	3.2	U	3.2	1.4	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Trichloroethene	3.2	U	3.2	0.71	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Trichlorofluoromethane	3.2	U	3.2	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Vinyl chloride	3.2	U TH	3.2	0.40	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1
Xylenes, Total	6.5	U	6.5	0.55	ug/Kg	☼	07/24/21 10:00	07/30/21 15:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 15:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/24/21 10:00	07/30/21 15:38	1
4-Bromofluorobenzene (Surr)	99		72 - 126	07/24/21 10:00	07/30/21 15:38	1
Dibromofluoromethane (Surr)	106		60 - 140	07/24/21 10:00	07/30/21 15:38	1
Toluene-d8 (Surr)	95		71 - 125	07/24/21 10:00	07/30/21 15:38	1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2-Nitroaniline	390	U	390	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
3-Nitroaniline	390	U	390	56	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Methylphenol	390	U	390	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Nitroaniline	390	U	390	110	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Acenaphthene	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Acetophenone	200	U	200	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Anthracene	200	U	200	50	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Atrazine	200	U	200	70	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Biphenyl	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Caprolactam	200	U	200	60	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Carbazole	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Chrysene	200	U	200	45	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Fluorene	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	200	U	200	43	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Naphthalene	200	U	200	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Phenanthrene	200	U	200	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Phenol	200	U	200	31	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1
Pyrene	200	U	200	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:15	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2800	T J	ug/Kg	☼	1.90		07/29/21 08:25	08/02/21 18:15	1
Unknown	990	T J	ug/Kg	☼	3.28		07/29/21 08:25	08/02/21 18:15	1
Unknown	170	T J	ug/Kg	☼	12.56		07/29/21 08:25	08/02/21 18:15	1
Unknown	190	T J	ug/Kg	☼	12.85		07/29/21 08:25	08/02/21 18:15	1
Eicosane	210	T J N	ug/Kg	☼	13.12	112-95-8	07/29/21 08:25	08/02/21 18:15	1
Hentriacontane	200	T J N	ug/Kg	☼	13.39	630-04-6	07/29/21 08:25	08/02/21 18:15	1
Hexacosane	190	T J N	ug/Kg	☼	13.65	630-01-3	07/29/21 08:25	08/02/21 18:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	07/29/21 08:25	08/02/21 18:15	1
2-Fluorobiphenyl (Surr)	78		60 - 120	07/29/21 08:25	08/02/21 18:15	1
2-Fluorophenol (Surr)	69		52 - 120	07/29/21 08:25	08/02/21 18:15	1
Nitrobenzene-d5 (Surr)	77		53 - 120	07/29/21 08:25	08/02/21 18:15	1
Phenol-d5 (Surr)	73		54 - 120	07/29/21 08:25	08/02/21 18:15	1
p-Terphenyl-d14 (Surr)	101		79 - 130	07/29/21 08:25	08/02/21 18:15	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Endrin ketone	0.55	J B	2.0	0.48	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
gamma-BHC (Lindane)	0.48	J B	2.0	0.36	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
Toxaphene	20	U	20	11	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	07/29/21 17:22	07/30/21 12:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		45 - 120	07/29/21 17:22	07/30/21 12:33	1
DCB Decachlorobiphenyl	85		45 - 120	07/29/21 17:22	07/30/21 12:33	1
Tetrachloro-m-xylene	92		30 - 124	07/29/21 17:22	07/30/21 12:33	1
Tetrachloro-m-xylene	75		30 - 124	07/29/21 17:22	07/30/21 12:33	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.21	U	0.21	0.041	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1221	0.21	U	0.21	0.041	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1232	0.21	U	0.21	0.041	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1242	0.21	U	0.21	0.041	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1248	0.21	U	0.21	0.041	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1254	0.21	U	0.21	0.098	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1
PCB-1260	0.21	U	0.21	0.098	mg/Kg	✱	07/27/21 08:43	07/30/21 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	117		60 - 154	07/27/21 08:43	07/30/21 01:37	1
Tetrachloro-m-xylene	124		60 - 154	07/27/21 08:43	07/30/21 01:37	1
DCB Decachlorobiphenyl	105		65 - 174	07/27/21 08:43	07/30/21 01:37	1
DCB Decachlorobiphenyl	109		65 - 174	07/27/21 08:43	07/30/21 01:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✱	07/27/21 06:44	07/29/21 16:57	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	✱	07/27/21 06:44	07/29/21 16:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		28 - 129	07/27/21 06:44	07/29/21 16:57	1
2,4-Dichlorophenylacetic acid	60		28 - 129	07/27/21 06:44	07/29/21 16:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8250	^	11.9	5.2	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Antimony	17.8	U	17.8	0.48	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Arsenic	5.4		2.4	0.48	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Barium	13.9		0.59	0.13	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Beryllium	0.45		0.24	0.033	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Calcium	150000		119	7.9	mg/Kg	✱	07/29/21 15:56	08/02/21 12:47	2
Chromium	8.8		0.59	0.24	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Cobalt	4.8		0.59	0.059	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Copper	7.6		2.4	0.50	mg/Kg	✱	07/29/21 15:56	08/02/21 12:47	2
Iron	11000	^	11.9	4.2	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Lead	12.8		1.2	0.29	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Magnesium	35400		23.8	1.1	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Manganese	252	^	0.24	0.038	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Nickel	10.8		5.9	0.27	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Potassium	4360		35.7	23.8	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Selenium	4.8	U	4.8	0.48	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Silver	0.71	U	0.71	0.24	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1
Sodium	151	J	167	15.5	mg/Kg	✱	07/29/21 15:56	07/30/21 21:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	07/29/21 15:56	07/30/21 21:43	1
Vanadium	10.3		0.59	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 21:43	1
Zinc	8.5		2.4	0.76	mg/Kg	☼	07/29/21 15:56	07/30/21 21:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0047	mg/Kg	☼	08/02/21 13:48	08/02/21 15:38	1

Client Sample ID: TP-21-103 (07232021)

Lab Sample ID: 480-187610-10

Date Collected: 07/23/21 08:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.77	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,1,2-Trichloroethane	4.8	U	4.8	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,1-Dichloroethane	4.8	U	4.8	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,1-Dichloroethene	4.8	U	4.8	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2-Dibromoethane	4.8	U	4.8	0.61	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2-Dichlorobenzene	4.8	U	4.8	0.37	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
1,4-Dichlorobenzene	4.8	U	4.8	0.67	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Benzene	4.8	U	4.8	0.23	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Bromodichloromethane	4.8	U	4.8	0.64	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Bromomethane	4.8	U TH	4.8	0.43	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Carbon tetrachloride	4.8	U	4.8	0.46	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Chlorobenzene	4.8	U	4.8	0.63	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Chloroethane	4.8	U TH	4.8	1.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Chloroform	4.8	U	4.8	0.29	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Chloromethane	4.8	U TH	4.8	0.29	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.61	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.69	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Cyclohexane	4.8	U	4.8	0.67	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Dibromochloromethane	4.8	U	4.8	0.61	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Dichlorodifluoromethane	4.8	U	4.8	0.39	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Isopropylbenzene	4.8	U	4.8	0.72	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-103 (07232021)

Lab Sample ID: 480-187610-10

Date Collected: 07/23/21 08:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Methylcyclohexane	4.8	U	4.8	0.72	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Tetrachloroethene	4.8	U	4.8	0.64	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Toluene	4.8	U	4.8	0.36	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.49	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Trichloroethene	4.8	U	4.8	1.0	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Trichlorofluoromethane	4.8	U	4.8	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Vinyl chloride	4.8	U TH	4.8	0.58	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	07/24/21 10:00	07/30/21 16:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/24/21 10:00	07/30/21 16:02	1
4-Bromofluorobenzene (Surr)	96		72 - 126	07/24/21 10:00	07/30/21 16:02	1
Dibromofluoromethane (Surr)	108		60 - 140	07/24/21 10:00	07/30/21 16:02	1
Toluene-d8 (Surr)	96		71 - 125	07/24/21 10:00	07/30/21 16:02	1

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
1,4-Dioxane	110	U	110	60	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,3,4,6-Tetrachlorophenol	190	U	190	38	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4,6-Trichlorophenol	190	U	190	37	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4-Dinitrophenol	1800	U	1800	860	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,4-Dinitrotoluene	190	U	190	38	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Chlorophenol	360	U	360	34	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Methylnaphthalene	190	U	190	37	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Nitroaniline	360	U	360	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
2-Nitrophenol	190	U	190	53	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
3-Nitroaniline	360	U	360	52	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Bromophenyl phenyl ether	190	U	190	26	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Chloroaniline	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Methylphenol	360	U	360	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Nitroaniline	360	U	360	98	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
4-Nitrophenol	360	U	360	130	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Acenaphthene	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Acenaphthylene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Acetophenone	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Anthracene	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Atrazine	190	U	190	65	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzo[a]pyrene	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Biphenyl	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
bis (2-chloroisopropyl) ether	190	U	190	37	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Caprolactam	190	U	190	56	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Carbazole	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Chrysene	190	U	190	42	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Diethyl phthalate	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Fluoranthene	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Fluorene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Hexachlorobutadiene	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Isophorone	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Naphthalene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Phenanthrene	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Phenol	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1
Pyrene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 18:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2200	T J	ug/Kg	☼	1.89		07/29/21 08:25	08/02/21 18:38	1
Unknown	1200	T J	ug/Kg	☼	3.28		07/29/21 08:25	08/02/21 18:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 90.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Eicosane	150	T J N	ug/Kg	☼	10.77	112-95-8	07/29/21 08:25	08/02/21 18:38	1
Eicosane, 10-methyl-	170	T J N	ug/Kg	☼	11.19	54833-23-7	07/29/21 08:25	08/02/21 18:38	1
Unknown	160	T J	ug/Kg	☼	11.57		07/29/21 08:25	08/02/21 18:38	1
Docosane	190	T J N	ug/Kg	☼	12.25	629-97-0	07/29/21 08:25	08/02/21 18:38	1
Tritetracontane	210	T J N	ug/Kg	☼	12.84	7098-21-7	07/29/21 08:25	08/02/21 18:38	1
Pentadecane	210	T J N	ug/Kg	☼	13.39	629-62-9	07/29/21 08:25	08/02/21 18:38	1
Heptadecane	210	T J N	ug/Kg	☼	13.65	629-78-7	07/29/21 08:25	08/02/21 18:38	1
Unknown	160	T J	ug/Kg	☼	13.90		07/29/21 08:25	08/02/21 18:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		54 - 120	07/29/21 08:25	08/02/21 18:38	1
2-Fluorobiphenyl (Surr)	75		60 - 120	07/29/21 08:25	08/02/21 18:38	1
2-Fluorophenol (Surr)	64		52 - 120	07/29/21 08:25	08/02/21 18:38	1
Nitrobenzene-d5 (Surr)	70		53 - 120	07/29/21 08:25	08/02/21 18:38	1
Phenol-d5 (Surr)	70		54 - 120	07/29/21 08:25	08/02/21 18:38	1
p-Terphenyl-d14 (Surr)	95		79 - 130	07/29/21 08:25	08/02/21 18:38	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.8	U	1.8	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
4,4'-DDE	1.8	U	1.8	0.38	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
4,4'-DDT	1.8	U	1.8	0.42	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Aldrin	1.8	U	1.8	0.44	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
alpha-BHC	1.8	U	1.8	0.32	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
beta-BHC	1.8	U	1.8	0.32	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
cis-Chlordane	1.8	U	1.8	0.89	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
delta-BHC	1.8	U	1.8	0.33	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Dieldrin	1.8	U	1.8	0.43	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endosulfan I	1.8	U	1.8	0.34	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endosulfan II	1.8	U	1.8	0.32	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endosulfan sulfate	1.8	U	1.8	0.33	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endrin	1.8	U	1.8	0.35	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endrin aldehyde	1.8	U	1.8	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Endrin ketone	1.8	U	1.8	0.44	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
gamma-BHC (Lindane)	1.8	U	1.8	0.33	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Heptachlor	1.8	U	1.8	0.39	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Heptachlor epoxide	1.8	U	1.8	0.46	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Methoxychlor	1.8	U	1.8	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
Toxaphene	18	U	18	10	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1
trans-Chlordane	1.8	U	1.8	0.57	ug/Kg	☼	07/29/21 17:22	07/30/21 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	101		45 - 120	07/29/21 17:22	07/30/21 12:53	1
DCB Decachlorobiphenyl	83		45 - 120	07/29/21 17:22	07/30/21 12:53	1
Tetrachloro-m-xylene	89		30 - 124	07/29/21 17:22	07/30/21 12:53	1
Tetrachloro-m-xylene	72		30 - 124	07/29/21 17:22	07/30/21 12:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.038	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 90.5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1221	0.20	U	0.20	0.038	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1
PCB-1232	0.20	U	0.20	0.038	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1
PCB-1242	0.20	U	0.20	0.038	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1
PCB-1248	0.20	U	0.20	0.038	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1
PCB-1254	0.20	U	0.20	0.091	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1
PCB-1260	0.20	U	0.20	0.091	mg/Kg	☼	07/27/21 08:43	07/30/21 01:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	130		60 - 154	07/27/21 08:43	07/30/21 01:49	1
Tetrachloro-m-xylene	133		60 - 154	07/27/21 08:43	07/30/21 01:49	1
DCB Decachlorobiphenyl	121		65 - 174	07/27/21 08:43	07/30/21 01:49	1
DCB Decachlorobiphenyl	126		65 - 174	07/27/21 08:43	07/30/21 01:49	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	12	ug/Kg	☼	07/27/21 06:44	07/29/21 17:27	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	07/27/21 06:44	07/29/21 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	81		28 - 129	07/27/21 06:44	07/29/21 17:27	1
2,4-Dichlorophenylacetic acid	75		28 - 129	07/27/21 06:44	07/29/21 17:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7920	^	10.8	4.8	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Antimony	16.2	U	16.2	0.43	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Arsenic	4.3		2.2	0.43	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Barium	13.0		0.54	0.12	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Beryllium	0.44		0.22	0.030	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Cadmium	0.22	U	0.22	0.032	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Calcium	155000		108	7.1	mg/Kg	☼	07/29/21 15:56	08/02/21 12:51	2
Chromium	8.2		0.54	0.22	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Cobalt	3.5		0.54	0.054	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Copper	6.3		2.2	0.45	mg/Kg	☼	07/29/21 15:56	08/02/21 12:51	2
Iron	9210	^	10.8	3.8	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Lead	12.9		1.1	0.26	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Magnesium	29000		21.6	1.0	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Manganese	217	^	0.22	0.035	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Nickel	9.7		5.4	0.25	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Potassium	4200		32.4	21.6	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Selenium	4.3	U	4.3	0.43	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Silver	0.65	U	0.65	0.22	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Sodium	158		151	14.1	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Thallium	6.5	U	6.5	0.32	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Vanadium	9.6		0.54	0.12	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1
Zinc	8.0		2.2	0.69	mg/Kg	☼	07/29/21 15:56	07/30/21 21:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0052	mg/Kg	☼	08/02/21 13:48	08/02/21 15:43	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-139 (07232021)

Lab Sample ID: 480-187610-12

Date Collected: 07/23/21 09:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 89.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.73	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
2-Hexanone	22	U	22	2.2	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Acetone	22	U	22	3.8	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Benzene	4.5	U	4.5	0.22	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Bromomethane	4.5	U TH	4.5	0.40	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Cyclohexane	4.5	U	4.5	0.63	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Methyl acetate	22	U	22	2.7	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Styrene	4.5	U	4.5	0.22	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Toluene	4.5	U	4.5	0.34	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Trichloroethene	4.5	U	4.5	0.99	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Vinyl chloride	4.5	U TH	4.5	0.55	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1
Xylenes, Total	9.0	U	9.0	0.76	ug/Kg	✱	07/24/21 10:00	07/30/21 16:26	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-139 (07232021)

Lab Sample ID: 480-187610-12

Date Collected: 07/23/21 09:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 89.0

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			07/24/21 10:00	07/30/21 16:26	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	117		64 - 126				07/24/21 10:00	07/30/21 16:26	1
4-Bromofluorobenzene (Surr)	95		72 - 126				07/24/21 10:00	07/30/21 16:26	1
Dibromofluoromethane (Surr)	107		60 - 140				07/24/21 10:00	07/30/21 16:26	1
Toluene-d8 (Surr)	97		71 - 125				07/24/21 10:00	07/30/21 16:26	1

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
1,4-Dioxane	110	U	110	61	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4-Dinitrophenol	1800	U	1800	870	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Chlorophenol	370	U	370	34	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
2-Nitrophenol	190	U	190	53	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
3,3'-Dichlorobenzidine	370	U	370	220	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
3-Nitroaniline	370	U	370	52	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Chloroaniline	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Methylphenol	370	U	370	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Nitroaniline	370	U	370	99	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
4-Nitrophenol	370	U	370	130	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Acenaphthene	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Acenaphthylene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Acetophenone	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Anthracene	190	U	190	46	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Atrazine	190	U	190	65	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Caprolactam	190	U	190	56	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Carbazole	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Chrysene	190	U	190	42	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Diethyl phthalate	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Fluoranthene	190	U	190	20	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Fluorene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Isophorone	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Naphthalene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Phenol	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1
Pyrene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1600	T J	ug/Kg	☼	1.88		07/29/21 08:25	08/02/21 19:02	1
Unknown	1100	T J	ug/Kg	☼	3.28		07/29/21 08:25	08/02/21 19:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	85		54 - 120	07/29/21 08:25	08/02/21 19:02	1
2-Fluorobiphenyl (Surr)	72		60 - 120	07/29/21 08:25	08/02/21 19:02	1
2-Fluorophenol (Surr)	64		52 - 120	07/29/21 08:25	08/02/21 19:02	1
Nitrobenzene-d5 (Surr)	66		53 - 120	07/29/21 08:25	08/02/21 19:02	1
Phenol-d5 (Surr)	64		54 - 120	07/29/21 08:25	08/02/21 19:02	1
p-Terphenyl-d14 (Surr)	92		79 - 130	07/29/21 08:25	08/02/21 19:02	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	07/29/21 17:22	07/30/21 13:12	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	07/29/21 17:22	07/30/21 13:12	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	07/29/21 17:22	07/30/21 13:12	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	07/29/21 17:22	07/30/21 13:12	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
Toxaphene	19	U	19	11	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	✱	07/29/21 17:22	07/30/21 13:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	99		45 - 120	07/29/21 17:22	07/30/21 13:12	1
DCB Decachlorobiphenyl	85		45 - 120	07/29/21 17:22	07/30/21 13:12	1
Tetrachloro-m-xylene	94		30 - 124	07/29/21 17:22	07/30/21 13:12	1
Tetrachloro-m-xylene	72		30 - 124	07/29/21 17:22	07/30/21 13:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.052	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1221	0.27	U	0.27	0.052	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1232	0.27	U	0.27	0.052	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1242	0.27	U	0.27	0.052	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1248	0.27	U	0.27	0.052	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	✱	07/27/21 08:43	07/30/21 02:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	128		60 - 154	07/27/21 08:43	07/30/21 02:02	1
Tetrachloro-m-xylene	133		60 - 154	07/27/21 08:43	07/30/21 02:02	1
DCB Decachlorobiphenyl	118		65 - 174	07/27/21 08:43	07/30/21 02:02	1
DCB Decachlorobiphenyl	124		65 - 174	07/27/21 08:43	07/30/21 02:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	07/27/21 06:44	07/29/21 18:26	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	✱	07/27/21 06:44	07/29/21 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129	07/27/21 06:44	07/29/21 18:26	1
2,4-Dichlorophenylacetic acid	69		28 - 129	07/27/21 06:44	07/29/21 18:26	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.5

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7510	^	11.4	5.0	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Antimony	17.2	U	17.2	0.46	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Arsenic	4.3		2.3	0.46	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Barium	24.6		0.57	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Beryllium	0.38		0.23	0.032	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Cadmium	0.23	U	0.23	0.034	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Calcium	173000		114	7.6	mg/Kg	☼	07/29/21 15:56	08/02/21 12:54	2
Chromium	7.7		0.57	0.23	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Cobalt	4.8		0.57	0.057	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Copper	6.1		2.3	0.48	mg/Kg	☼	07/29/21 15:56	08/02/21 12:54	2
Iron	9890	^	11.4	4.0	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Lead	14.2		1.1	0.27	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Magnesium	24200		22.9	1.1	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Manganese	246	^	0.23	0.037	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Nickel	10.1		5.7	0.26	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Potassium	3810		34.3	22.9	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Silver	0.69	U	0.69	0.23	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Sodium	203		160	14.9	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Thallium	6.9	U	6.9	0.34	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Vanadium	9.2		0.57	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1
Zinc	6.9		2.3	0.73	mg/Kg	☼	07/29/21 15:56	07/30/21 21:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0049	mg/Kg	☼	08/02/21 13:48	08/02/21 15:44	1

Client Sample ID: TPB-21-140 (07232021)

Lab Sample ID: 480-187610-14

Date Collected: 07/23/21 09:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1	U	5.1	0.37	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,1,2,2-Tetrachloroethane	5.1	U	5.1	0.82	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	5.1	1.2	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,1,2-Trichloroethane	5.1	U	5.1	0.66	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,1-Dichloroethane	5.1	U	5.1	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,1-Dichloroethene	5.1	U	5.1	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2,4-Trichlorobenzene	5.1	U	5.1	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2-Dibromo-3-Chloropropane	5.1	U	5.1	2.5	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2-Dibromoethane	5.1	U	5.1	0.65	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2-Dichlorobenzene	5.1	U	5.1	0.40	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2-Dichloroethane	5.1	U	5.1	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,2-Dichloropropane	5.1	U	5.1	2.5	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,3-Dichlorobenzene	5.1	U	5.1	0.26	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
1,4-Dichlorobenzene	5.1	U	5.1	0.71	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.7	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-140 (07232021)

Lab Sample ID: 480-187610-14

Date Collected: 07/23/21 09:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	25	U	25	4.3	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Benzene	5.1	U	5.1	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Bromodichloromethane	5.1	U	5.1	0.68	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Bromoform	5.1	U	5.1	2.5	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Bromomethane	5.1	U TH	5.1	0.45	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Carbon disulfide	5.1	U	5.1	2.5	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Carbon tetrachloride	5.1	U	5.1	0.49	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Chlorobenzene	5.1	U	5.1	0.67	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Chloroethane	5.1	U TH	5.1	1.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Chloroform	5.1	U	5.1	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Chloromethane	5.1	U TH	5.1	0.31	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
cis-1,2-Dichloroethene	5.1	U	5.1	0.65	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
cis-1,3-Dichloropropene	5.1	U	5.1	0.73	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Cyclohexane	5.1	U	5.1	0.71	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Dibromochloromethane	5.1	U	5.1	0.65	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Dichlorodifluoromethane	5.1	U	5.1	0.42	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Ethylbenzene	5.1	U	5.1	0.35	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Isopropylbenzene	5.1	U	5.1	0.76	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Methyl acetate	25	U	25	3.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Methyl tert-butyl ether	5.1	U	5.1	0.50	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Methylcyclohexane	5.1	U	5.1	0.77	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Methylene Chloride	5.1	U	5.1	2.3	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Styrene	5.1	U	5.1	0.25	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Tetrachloroethene	5.1	U	5.1	0.68	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Toluene	5.1	U	5.1	0.38	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
trans-1,2-Dichloroethene	5.1	U	5.1	0.52	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
trans-1,3-Dichloropropene	5.1	U	5.1	2.2	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Trichloroethene	5.1	U	5.1	1.1	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Trichlorofluoromethane	5.1	U	5.1	0.48	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Vinyl chloride	5.1	U TH	5.1	0.62	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	07/24/21 10:00	07/30/21 16:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/24/21 10:00	07/30/21 16:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	07/24/21 10:00	07/30/21 16:50	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/24/21 10:00	07/30/21 16:50	1
Dibromofluoromethane (Surr)	106		60 - 140	07/24/21 10:00	07/30/21 16:50	1
Toluene-d8 (Surr)	96		71 - 125	07/24/21 10:00	07/30/21 16:50	1

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	190	U	190	53	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,4-Dichlorophenol	190	U	190	21	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Bromophenyl phenyl ether	190	U	190	28	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Acenaphthene	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Acetophenone	190	U	190	26	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Anthracene	190	U	190	48	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Atrazine	190	U	190	68	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzo[a]pyrene	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzo[b]fluoranthene	31	J	190	31	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzo[g,h,i]perylene	28	J	190	21	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Biphenyl	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Caprolactam	190	U	190	58	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Carbazole	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Chrysene	190	U	190	44	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1

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Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	24	J	190	21	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Fluorene	190	U	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Hexachlorobutadiene	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Isophorone	190	U	190	41	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Naphthalene	190	U	190	25	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Phenanthrene	190	U	190	29	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Phenol	190	U	190	30	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1
Pyrene	23	J	190	23	ug/Kg	☼	07/29/21 08:25	08/02/21 19:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3300	T J	ug/Kg	☼	1.90		07/29/21 08:25	08/02/21 19:25	1
Unknown	1100	T J	ug/Kg	☼	3.28		07/29/21 08:25	08/02/21 19:25	1
Unknown	160	T J	ug/Kg	☼	12.84		07/29/21 08:25	08/02/21 19:25	1
Hexadecane	160	T J N	ug/Kg	☼	13.12	544-76-3	07/29/21 08:25	08/02/21 19:25	1
Unknown	170	T J	ug/Kg	☼	15.05		07/29/21 08:25	08/02/21 19:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	114		54 - 120	07/29/21 08:25	08/02/21 19:25	1
2-Fluorobiphenyl (Surr)	98		60 - 120	07/29/21 08:25	08/02/21 19:25	1
2-Fluorophenol (Surr)	85		52 - 120	07/29/21 08:25	08/02/21 19:25	1
Nitrobenzene-d5 (Surr)	91		53 - 120	07/29/21 08:25	08/02/21 19:25	1
Phenol-d5 (Surr)	88		54 - 120	07/29/21 08:25	08/02/21 19:25	1
p-Terphenyl-d14 (Surr)	108		79 - 130	07/29/21 08:25	08/02/21 19:25	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	9.4	U	9.4	1.8	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
4,4'-DDE	9.4	U	9.4	2.0	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
4,4'-DDT	9.4	U	9.4	2.2	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Aldrin	9.4	U	9.4	2.3	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
alpha-BHC	9.4	U	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
beta-BHC	9.4	U	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
cis-Chlordane	9.4	U	9.4	4.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
delta-BHC	9.4	U	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Dieldrin	9.4	U	9.4	2.2	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endosulfan I	9.4	U	9.4	1.8	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endosulfan II	9.4	U	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endosulfan sulfate	9.4	U	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endrin	9.4	U	9.4	1.9	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endrin aldehyde	9.4	U	9.4	2.4	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Endrin ketone	9.4	U	9.4	2.3	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
gamma-BHC (Lindane)	2.3	J B	9.4	1.7	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor	9.4	U	9.4	2.0	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Heptachlor epoxide	9.4	U	9.4	2.4	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Methoxychlor	9.4	U	9.4	1.9	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Toxaphene	94	U	94	54	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
trans-Chlordane	9.4	U	9.4	3.0	ug/Kg	☼	07/29/21 17:22	07/30/21 13:32	5
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120				07/29/21 17:22	07/30/21 13:32	5
DCB Decachlorobiphenyl	90		45 - 120				07/29/21 17:22	07/30/21 13:32	5
Tetrachloro-m-xylene	83		30 - 124				07/29/21 17:22	07/30/21 13:32	5
Tetrachloro-m-xylene	78		30 - 124				07/29/21 17:22	07/30/21 13:32	5

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	07/27/21 08:43	07/30/21 02:15	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	126		60 - 154				07/27/21 08:43	07/30/21 02:15	1
Tetrachloro-m-xylene	134		60 - 154				07/27/21 08:43	07/30/21 02:15	1
DCB Decachlorobiphenyl	118		65 - 174				07/27/21 08:43	07/30/21 02:15	1
DCB Decachlorobiphenyl	125		65 - 174				07/27/21 08:43	07/30/21 02:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	07/27/21 06:44	07/29/21 18:56	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	07/27/21 06:44	07/29/21 18:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	52		28 - 129				07/27/21 06:44	07/29/21 18:56	1
2,4-Dichlorophenylacetic acid	48		28 - 129				07/27/21 06:44	07/29/21 18:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10200		12.1	5.3	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Antimony	18.2	U	18.2	0.49	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Arsenic	4.0		2.4	0.49	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Barium	29.9		0.61	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Beryllium	0.47		0.24	0.034	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Cadmium	0.059	J	0.24	0.036	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Calcium	106000	B ^	60.7	4.0	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Chromium	10.6		0.61	0.24	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Cobalt	5.8		0.61	0.061	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Copper	7.0		1.2	0.25	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Iron	11700	^	12.1	4.2	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Lead	12.3		1.2	0.29	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	24200		24.3	1.1	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Manganese	274		0.24	0.039	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Nickel	14.2		6.1	0.28	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Potassium	4210		36.4	24.3	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Selenium	4.9	U	4.9	0.49	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Silver	0.73	U	0.73	0.24	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Sodium	163	J	170	15.8	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Thallium	7.3	U	7.3	0.36	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Vanadium	14.2		0.61	0.13	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1
Zinc	41.5		2.4	0.78	mg/Kg	☼	07/29/21 15:56	07/30/21 22:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0061	J	0.024	0.0056	mg/Kg	☼	08/02/21 13:48	08/02/21 15:48	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187610-1	TP-21-102 (07222021)	115	101	107	97
480-187610-3	TP-21-101 (07222021)	119	97	107	95
480-187610-4	TP-21-111 (07222021)	117	97	107	98
480-187610-5	TP-21-112 (07222021)	114	97	109	98
480-187610-8	TP-21-106 (07232021)	117	99	106	95
480-187610-10	TP-21-103 (07232021)	117	96	108	96
480-187610-12	TP-21-139 (07232021)	117	95	107	97
480-187610-14	TPB-21-140 (07232021)	116	93	106	96
LCS 480-591104/1-A	Lab Control Sample	110	93	101	97
MB 480-591104/2-A	Method Blank	111	91	102	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187610-1	TP-21-102 (07222021)	85	76	66	72	69	86
480-187610-2	TP-21-110 (07222021)	94	83	70	80	76	97
480-187610-2 MS	TP-21-110 (07222021)	111	89	73	85	81	96
480-187610-2 MSD	TP-21-110 (07222021)	116	88	76	86	81	101
480-187610-6	TP-21-113 (07222021)	115	99	85	96	89	116
480-187610-7	TPB-21-101 (07222021)	97	77	67	73	68	106
480-187610-9	TP-21-107 (07232021)	98	78	69	77	73	101
480-187610-11	TP-21-127 (07232021)	92	75	64	70	70	95
480-187610-13	TP-21-109 (07232021)	85	72	64	66	64	92
480-187610-15	TPB-21-137 (07232021)	114	98	85	91	88	108
LCS 480-590867/2-A	Lab Control Sample	122 TH	99	82	94	90	110
MB 480-590867/1-A	Method Blank	102	91	82	94	86	108

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187610-1	TP-21-102 (07222021)	104	88	96	74

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Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187610-2	TP-21-110 (07222021)	103	89	95	74
480-187610-6	TP-21-113 (07222021)	119	161 TH	0 TL	0 TL
480-187610-7	TPB-21-101 (07222021)	87	74	75	58
480-187610-7 MS	TPB-21-101 (07222021)	92	80	76	62
480-187610-7 MSD	TPB-21-101 (07222021)	80	72	71	56
480-187610-9	TP-21-107 (07232021)	89	85	92	75
480-187610-11	TP-21-127 (07232021)	101	83	89	72
480-187610-13	TP-21-109 (07232021)	99	85	94	72
480-187610-15	TPB-21-137 (07232021)	90	90	83	78
LCS 480-590989/2-A	Lab Control Sample	91	74	76	58
MB 480-590989/1-A	Method Blank	73	72	69	56

Surrogate Legend
 DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187610-1	TP-21-102 (07222021)	114	120	109	111
480-187610-2	TP-21-110 (07222021)	123	130	117	124
480-187610-6	TP-21-113 (07222021)	116	122	109	118
480-187610-7	TPB-21-101 (07222021)	110	116	102	108
480-187610-9	TP-21-107 (07232021)	117	124	105	109
480-187610-11	TP-21-127 (07232021)	130	133	121	126
480-187610-13	TP-21-109 (07232021)	128	133	118	124
480-187610-15	TPB-21-137 (07232021)	126	134	118	125
LCS 480-590515/2-A	Lab Control Sample	126	133	132	144
MB 480-590515/1-A	Method Blank	115	118	119	131

Surrogate Legend
 TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187610-1	TP-21-102 (07222021)	74	68
480-187610-1 MS	TP-21-102 (07222021)	74	62
480-187610-1 MSD	TP-21-102 (07222021)	75	64
480-187610-2	TP-21-110 (07222021)	72	68
480-187610-6	TP-21-113 (07222021)	53	70
480-187610-7	TPB-21-101 (07222021)	78	71
480-187610-9	TP-21-107 (07232021)	62	60
480-187610-11	TP-21-127 (07232021)	81	75
480-187610-13	TP-21-109 (07232021)	78	69

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187610-15	TPB-21-137 (07232021)	52	48
LCS 480-590502/2-A	Lab Control Sample	76	65
MB 480-590502/1-A	Method Blank	74	69

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-591104/2-A

Matrix: Solid

Analysis Batch: 591044

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591104

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
2-Hexanone	25	U	25	2.5	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Acetone	25	U	25	4.2	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Benzene	5.0	U	5.0	0.25	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Methyl acetate	25	U	25	3.0	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Styrene	5.0	U	5.0	0.25	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Toluene	5.0	U	5.0	0.38	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		07/30/21 10:25	07/30/21 11:26	1
Xylenes, Total	10	U	10	0.84	ug/Kg		07/30/21 10:25	07/30/21 11:26	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591104/2-A

Matrix: Solid

Analysis Batch: 591044

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591104

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>07/30/21 10:25</i>	<i>07/30/21 11:26</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>111</i>		<i>64 - 126</i>	<i>07/30/21 10:25</i>	<i>07/30/21 11:26</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>91</i>		<i>72 - 126</i>	<i>07/30/21 10:25</i>	<i>07/30/21 11:26</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>102</i>		<i>60 - 140</i>	<i>07/30/21 10:25</i>	<i>07/30/21 11:26</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>96</i>		<i>71 - 125</i>	<i>07/30/21 10:25</i>	<i>07/30/21 11:26</i>	<i>1</i>

Lab Sample ID: LCS 480-591104/1-A

Matrix: Solid

Analysis Batch: 591044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 591104

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	53.3		ug/Kg		107	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.1		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	48.7		ug/Kg		97	60 - 140
1,1,2-Trichloroethane	50.0	49.7		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.0	52.1		ug/Kg		104	73 - 126
1,1-Dichloroethene	50.0	49.6		ug/Kg		99	59 - 125
1,2,4-Trichlorobenzene	50.0	44.0		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	47.5		ug/Kg		95	63 - 124
1,2-Dibromoethane	50.0	47.2		ug/Kg		94	78 - 120
1,2-Dichlorobenzene	50.0	47.2		ug/Kg		94	75 - 120
1,2-Dichloroethane	50.0	54.5		ug/Kg		109	77 - 122
1,2-Dichloropropane	50.0	48.9		ug/Kg		98	75 - 124
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	50.2		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	234		ug/Kg		94	70 - 134
2-Hexanone	250	253		ug/Kg		101	59 - 130
4-Methyl-2-pentanone (MIBK)	250	243		ug/Kg		97	65 - 133
Acetone	250	223		ug/Kg		89	61 - 137
Benzene	50.0	51.1		ug/Kg		102	79 - 127
Bromodichloromethane	50.0	56.2		ug/Kg		112	80 - 122
Bromoform	50.0	49.2		ug/Kg		98	68 - 126
Bromomethane	50.0	78.8	TH	ug/Kg		158	37 - 149
Carbon disulfide	50.0	49.5		ug/Kg		99	64 - 131
Carbon tetrachloride	50.0	57.4		ug/Kg		115	75 - 135
Chlorobenzene	50.0	49.0		ug/Kg		98	76 - 124
Chloroethane	50.0	91.6	TH	ug/Kg		183	69 - 135
Chloroform	50.0	53.0		ug/Kg		106	80 - 120
Chloromethane	50.0	82.2	TH	ug/Kg		164	63 - 127
cis-1,2-Dichloroethene	50.0	50.0		ug/Kg		100	81 - 120
cis-1,3-Dichloropropene	50.0	50.4		ug/Kg		101	80 - 120
Cyclohexane	50.0	41.6		ug/Kg		83	65 - 120
Dibromochloromethane	50.0	55.0		ug/Kg		110	76 - 125
Dichlorodifluoromethane	50.0	39.4		ug/Kg		79	57 - 142
Ethylbenzene	50.0	51.7		ug/Kg		103	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591104/1-A

Matrix: Solid

Analysis Batch: 591044

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 591104

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	48.2		ug/Kg		96	72 - 120
Methyl acetate	100	92.6		ug/Kg		93	55 - 136
Methyl tert-butyl ether	50.0	44.0		ug/Kg		88	63 - 125
Methylcyclohexane	50.0	44.1		ug/Kg		88	60 - 140
Methylene Chloride	50.0	53.9		ug/Kg		108	61 - 127
Styrene	50.0	49.5		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	47.2		ug/Kg		94	74 - 122
Toluene	50.0	49.9		ug/Kg		100	74 - 128
trans-1,2-Dichloroethene	50.0	52.7		ug/Kg		105	78 - 126
Trichloroethene	50.0	49.8		ug/Kg		100	77 - 129
Trichlorofluoromethane	50.0	65.6		ug/Kg		131	65 - 146
Vinyl chloride	50.0	86.4	TH	ug/Kg		173	61 - 133
Xylenes, Total	100	100		ug/Kg		100	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	93		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	97		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-590867/1-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590867

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
1,4-Dioxane	98	U	98	54	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,3,4,6-Tetrachlorophenol	170	U	170	34	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4,6-Trichlorophenol	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dinitrophenol	1600	U	1600	770	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,4-Dinitrotoluene	170	U	170	34	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Chloronaphthalene	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Chlorophenol	320	U	320	30	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Methylnaphthalene	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Methylphenol	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Nitroaniline	320	U	320	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
2-Nitrophenol	170	U	170	47	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
3,3'-Dichlorobenzidine	320	U	320	200	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
3-Nitroaniline	320	U	320	46	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4,6-Dinitro-2-methylphenol	320	U	320	170	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Chloroaniline	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590867/1-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590867

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Methylphenol	320	U	320	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Nitroaniline	320	U	320	87	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
4-Nitrophenol	320	U	320	120	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acenaphthene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acenaphthylene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Acetophenone	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Anthracene	170	U	170	41	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Atrazine	170	U	170	58	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzaldehyde	170	U	170	130	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Biphenyl	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
bis (2-chloroisopropyl) ether	170	U	170	33	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-chloroethoxy)methane	170	U	170	35	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Butyl benzyl phthalate	170	U	170	27	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Caprolactam	170	U	170	50	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Carbazole	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Chrysene	170	U	170	37	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dibenz(a,h)anthracene	170	U	170	29	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dibenzofuran	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Diethyl phthalate	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Di-n-butyl phthalate	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Fluoranthene	170	U	170	18	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Fluorene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Hexachloroethane	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Isophorone	170	U	170	35	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Naphthalene	170	U	170	22	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Nitrobenzene	170	U	170	19	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
N-Nitrosodi-n-propylamine	170	U	170	28	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Pentachlorophenol	320	U	320	170	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Phenanthrene	170	U	170	25	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Phenol	170	U	170	26	ug/Kg		07/29/21 08:25	08/02/21 15:03	1
Pyrene	170	U	170	20	ug/Kg		07/29/21 08:25	08/02/21 15:03	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590867/1-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590867

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	176	TJ	ug/Kg		3.30		07/29/21 08:25	08/02/21 15:03	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	102		54 - 120	07/29/21 08:25	08/02/21 15:03	1
2-Fluorobiphenyl (Surr)	91		60 - 120	07/29/21 08:25	08/02/21 15:03	1
2-Fluorophenol (Surr)	82		52 - 120	07/29/21 08:25	08/02/21 15:03	1
Nitrobenzene-d5 (Surr)	94		53 - 120	07/29/21 08:25	08/02/21 15:03	1
Phenol-d5 (Surr)	86		54 - 120	07/29/21 08:25	08/02/21 15:03	1
p-Terphenyl-d14 (Surr)	108		79 - 130	07/29/21 08:25	08/02/21 15:03	1

Lab Sample ID: LCS 480-590867/2-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1660	898		ug/Kg		54	23 - 120
2,3,4,6-Tetrachlorophenol	1660	1730		ug/Kg		105	64 - 120
2,4,5-Trichlorophenol	1660	1700		ug/Kg		103	59 - 126
2,4,6-Trichlorophenol	1660	1640		ug/Kg		99	59 - 123
2,4-Dichlorophenol	1660	1660		ug/Kg		100	61 - 120
2,4-Dimethylphenol	1660	1740		ug/Kg		105	59 - 120
2,4-Dinitrophenol	3310	3220		ug/Kg		97	41 - 146
2,4-Dinitrotoluene	1660	1760		ug/Kg		106	63 - 120
2,6-Dinitrotoluene	1660	1630		ug/Kg		98	66 - 120
2-Chloronaphthalene	1660	1500		ug/Kg		90	57 - 120
2-Chlorophenol	1660	1460		ug/Kg		88	53 - 120
2-Methylnaphthalene	1660	1530		ug/Kg		92	59 - 120
2-Methylphenol	1660	1500		ug/Kg		90	54 - 120
2-Nitroaniline	1660	1710		ug/Kg		103	61 - 120
2-Nitrophenol	1660	1530		ug/Kg		92	56 - 120
3,3'-Dichlorobenzidine	3310	3480		ug/Kg		105	54 - 120
3-Nitroaniline	1660	1160		ug/Kg		70	48 - 120
4,6-Dinitro-2-methylphenol	3310	3390		ug/Kg		102	49 - 122
4-Bromophenyl phenyl ether	1660	1910		ug/Kg		115	58 - 120
4-Chloro-3-methylphenol	1660	1820		ug/Kg		110	61 - 120
4-Chloroaniline	1660	912		ug/Kg		55	38 - 120
4-Chlorophenyl phenyl ether	1660	1740		ug/Kg		105	63 - 124
4-Methylphenol	1660	1550		ug/Kg		94	55 - 120
4-Nitroaniline	1660	1590		ug/Kg		96	56 - 120
4-Nitrophenol	3310	4130		ug/Kg		125	43 - 147
Acenaphthene	1660	1550		ug/Kg		94	62 - 120
Acenaphthylene	1660	1690		ug/Kg		102	58 - 121
Acetophenone	1660	1590		ug/Kg		96	54 - 120
Anthracene	1660	1680		ug/Kg		101	62 - 120
Atrazine	3310	3530		ug/Kg		106	60 - 127
Benzaldehyde	3310	3390	E	ug/Kg		102	10 - 150
Benzo[a]anthracene	1660	1740		ug/Kg		105	65 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590867/2-A

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1660	1620		ug/Kg		98	64 - 120
Benzo[b]fluoranthene	1660	1650		ug/Kg		100	64 - 120
Benzo[g,h,i]perylene	1660	1600		ug/Kg		97	45 - 145
Benzo[k]fluoranthene	1660	1660		ug/Kg		100	65 - 120
Biphenyl	1660	1520		ug/Kg		92	59 - 120
bis (2-chloroisopropyl) ether	1660	1130		ug/Kg		68	44 - 120
Bis(2-chloroethoxy)methane	1660	1470		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1660	1330		ug/Kg		80	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1770		ug/Kg		107	61 - 133
Butyl benzyl phthalate	1660	1730		ug/Kg		104	61 - 129
Caprolactam	3310	3150		ug/Kg		95	47 - 120
Carbazole	1660	1650		ug/Kg		100	65 - 120
Chrysene	1660	1710		ug/Kg		103	64 - 120
Dibenz(a,h)anthracene	1660	1690		ug/Kg		102	54 - 132
Dibenzofuran	1660	1570		ug/Kg		95	63 - 120
Diethyl phthalate	1660	1830		ug/Kg		110	66 - 120
Dimethyl phthalate	1660	1710		ug/Kg		103	65 - 124
Di-n-butyl phthalate	1660	1850		ug/Kg		111	58 - 130
Di-n-octyl phthalate	1660	1730		ug/Kg		104	57 - 133
Fluoranthene	1660	1750		ug/Kg		106	62 - 120
Fluorene	1660	1650		ug/Kg		100	63 - 120
Hexachlorobenzene	1660	1930		ug/Kg		117	60 - 120
Hexachlorobutadiene	1660	1750		ug/Kg		106	45 - 120
Hexachlorocyclopentadiene	1660	1600		ug/Kg		97	47 - 120
Hexachloroethane	1660	1440		ug/Kg		87	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1600		ug/Kg		97	56 - 134
Isophorone	1660	1630		ug/Kg		98	56 - 120
Naphthalene	1660	1510		ug/Kg		91	55 - 120
Nitrobenzene	1660	1470		ug/Kg		89	54 - 120
N-Nitrosodi-n-propylamine	1660	1560		ug/Kg		94	52 - 120
N-Nitrosodiphenylamine	1660	1630		ug/Kg		98	51 - 128
Pentachlorophenol	3310	3640		ug/Kg		110	51 - 120
Phenanthrene	1660	1600		ug/Kg		96	60 - 120
Phenol	1660	1430		ug/Kg		86	53 - 120
Pyrene	1660	1680		ug/Kg		101	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	122	TH	54 - 120
2-Fluorobiphenyl (Surr)	99		60 - 120
2-Fluorophenol (Surr)	82		52 - 120
Nitrobenzene-d5 (Surr)	94		53 - 120
Phenol-d5 (Surr)	90		54 - 120
p-Terphenyl-d14 (Surr)	110		79 - 130

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187610-2 MS

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: TP-21-110 (07222021)

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	200	U	1910	1660		ug/Kg	*	87	59 - 120
1,4-Dioxane	110	U	1910	859		ug/Kg	*	45	13 - 120
2,3,4,6-Tetrachlorophenol	200	U	1910	1750		ug/Kg	*	92	50 - 150
2,4,5-Trichlorophenol	200	U	1910	1690		ug/Kg	*	89	46 - 120
2,4,6-Trichlorophenol	200	U	1910	1700		ug/Kg	*	89	41 - 123
2,4-Dichlorophenol	200	U	1910	1610		ug/Kg	*	85	45 - 120
2,4-Dimethylphenol	200	U	1910	1740		ug/Kg	*	91	52 - 120
2,4-Dinitrophenol	1900	U	3810	3180		ug/Kg	*	83	41 - 146
2,4-Dinitrotoluene	200	U	1910	1820		ug/Kg	*	96	63 - 125
2,6-Dinitrotoluene	200	U	1910	1690		ug/Kg	*	89	66 - 120
2-Chloronaphthalene	200	U	1910	1540		ug/Kg	*	81	57 - 120
2-Chlorophenol	380	U	1910	1410		ug/Kg	*	74	43 - 120
2-Methylnaphthalene	200	U	1910	1540		ug/Kg	*	81	55 - 120
2-Methylphenol	200	U	1910	1560		ug/Kg	*	82	48 - 120
2-Nitroaniline	380	U	1910	1720		ug/Kg	*	90	61 - 120
2-Nitrophenol	200	U	1910	1470		ug/Kg	*	77	37 - 120
3,3'-Dichlorobenzidine	380	U	3810	3400		ug/Kg	*	89	37 - 126
3-Nitroaniline	380	U	1910	1340		ug/Kg	*	70	48 - 120
4,6-Dinitro-2-methylphenol	380	U	3810	3490		ug/Kg	*	92	23 - 149
4-Bromophenyl phenyl ether	200	U	1910	1810		ug/Kg	*	95	58 - 120
4-Chloro-3-methylphenol	200	U	1910	1850		ug/Kg	*	97	49 - 125
4-Chloroaniline	200	U	1910	1050		ug/Kg	*	55	38 - 120
4-Chlorophenyl phenyl ether	200	U	1910	1730		ug/Kg	*	91	63 - 124
4-Methylphenol	380	U	1910	1510		ug/Kg	*	79	50 - 120
4-Nitroaniline	380	U	1910	1630		ug/Kg	*	85	47 - 120
4-Nitrophenol	380	U	3810	4210		ug/Kg	*	110	31 - 147
Acenaphthene	200	U	1910	1570		ug/Kg	*	82	60 - 120
Acenaphthylene	200	U	1910	1720		ug/Kg	*	90	58 - 121
Acetophenone	200	U	1910	1580		ug/Kg	*	83	47 - 120
Anthracene	200	U	1910	1690		ug/Kg	*	89	62 - 120
Atrazine	200	U	3810	3780		ug/Kg	*	99	60 - 150
Benzaldehyde	200	U	3810	3250	E	ug/Kg	*	85	10 - 150
Benzo[a]anthracene	200	U	1910	1680		ug/Kg	*	88	65 - 120
Benzo[a]pyrene	200	U	1910	1680		ug/Kg	*	88	64 - 120
Benzo[b]fluoranthene	200	U	1910	1740		ug/Kg	*	91	10 - 150
Benzo[g,h,i]perylene	200	U	1910	1640		ug/Kg	*	86	45 - 145
Benzo[k]fluoranthene	200	U	1910	1720		ug/Kg	*	90	23 - 150
Biphenyl	200	U	1910	1530		ug/Kg	*	80	58 - 120
bis (2-chloroisopropyl) ether	200	U	1910	1080		ug/Kg	*	56	31 - 120
Bis(2-chloroethoxy)methane	200	U	1910	1490		ug/Kg	*	78	52 - 120
Bis(2-chloroethyl)ether	200	U	1910	1300		ug/Kg	*	68	45 - 120
Bis(2-ethylhexyl) phthalate	200	U	1910	1730		ug/Kg	*	91	61 - 133
Butyl benzyl phthalate	200	U	1910	1690		ug/Kg	*	88	61 - 120
Caprolactam	200	U	3810	3190		ug/Kg	*	84	37 - 133
Carbazole	200	U	1910	1660		ug/Kg	*	87	59 - 120
Chrysene	200	U	1910	1670		ug/Kg	*	88	64 - 120
Dibenz(a,h)anthracene	200	U	1910	1720		ug/Kg	*	90	54 - 132
Dibenzofuran	200	U	1910	1660		ug/Kg	*	87	62 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187610-2 MS

Client Sample ID: TP-21-110 (07222021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591346

Prep Batch: 590867

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Diethyl phthalate	200	U	1910	1890		ug/Kg	☼	99	66 - 120
Dimethyl phthalate	200	U	1910	1750		ug/Kg	☼	92	65 - 124
Di-n-butyl phthalate	200	U	1910	1880		ug/Kg	☼	98	58 - 130
Di-n-octyl phthalate	200	U	1910	1680		ug/Kg	☼	88	57 - 133
Fluoranthene	200	U	1910	1760		ug/Kg	☼	92	62 - 120
Fluorene	200	U	1910	1670		ug/Kg	☼	88	63 - 120
Hexachlorobenzene	200	U	1910	1910		ug/Kg	☼	100	60 - 120
Hexachlorobutadiene	200	U	1910	1770		ug/Kg	☼	93	45 - 120
Hexachlorocyclopentadiene	200	U	1910	1650		ug/Kg	☼	87	31 - 120
Hexachloroethane	200	U	1910	1420		ug/Kg	☼	75	21 - 120
Indeno[1,2,3-cd]pyrene	200	U	1910	1650		ug/Kg	☼	86	56 - 134
Isophorone	200	U	1910	1620		ug/Kg	☼	85	56 - 120
Naphthalene	200	U	1910	1470		ug/Kg	☼	77	46 - 120
Nitrobenzene	200	U	1910	1460		ug/Kg	☼	76	49 - 120
N-Nitrosodi-n-propylamine	200	U	1910	1540		ug/Kg	☼	81	46 - 120
N-Nitrosodiphenylamine	200	U	1910	1610		ug/Kg	☼	85	20 - 128
Pentachlorophenol	380	U	3810	3650		ug/Kg	☼	96	25 - 136
Phenanthrene	200	U	1910	1630		ug/Kg	☼	86	60 - 122
Phenol	200	U	1910	1440		ug/Kg	☼	75	50 - 120
Pyrene	200	U	1910	1620		ug/Kg	☼	85	61 - 133

Surrogate	MS	MS	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	111		54 - 120
2-Fluorobiphenyl (Surr)	89		60 - 120
2-Fluorophenol (Surr)	73		52 - 120
Nitrobenzene-d5 (Surr)	85		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	96		79 - 130

Lab Sample ID: 480-187610-2 MSD

Client Sample ID: TP-21-110 (07222021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591346

Prep Batch: 590867

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
1,2,4,5-Tetrachlorobenzene	200	U	1870	1570		ug/Kg	☼	84	59 - 120	6	21
1,4-Dioxane	110	U	1870	799		ug/Kg	☼	43	13 - 120	7	50
2,3,4,6-Tetrachlorophenol	200	U	1870	1760		ug/Kg	☼	94	50 - 150	0	33
2,4,5-Trichlorophenol	200	U	1870	1670		ug/Kg	☼	90	46 - 120	1	18
2,4,6-Trichlorophenol	200	U	1870	1570		ug/Kg	☼	84	41 - 123	8	19
2,4-Dichlorophenol	200	U	1870	1620		ug/Kg	☼	87	45 - 120	1	19
2,4-Dimethylphenol	200	U	1870	1700		ug/Kg	☼	91	52 - 120	2	42
2,4-Dinitrophenol	1900	U	3730	3040		ug/Kg	☼	81	41 - 146	5	22
2,4-Dinitrotoluene	200	U	1870	1730		ug/Kg	☼	93	63 - 125	5	20
2,6-Dinitrotoluene	200	U	1870	1670		ug/Kg	☼	89	66 - 120	1	15
2-Chloronaphthalene	200	U	1870	1470		ug/Kg	☼	79	57 - 120	4	21
2-Chlorophenol	380	U	1870	1430		ug/Kg	☼	77	43 - 120	2	25
2-Methylnaphthalene	200	U	1870	1460		ug/Kg	☼	78	55 - 120	5	21
2-Methylphenol	200	U	1870	1460		ug/Kg	☼	78	48 - 120	7	27

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187610-2 MSD

Client Sample ID: TP-21-110 (07222021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591346

Prep Batch: 590867

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
2-Nitroaniline	380	U	1870	1630		ug/Kg	*	87	61 - 120	6	15
2-Nitrophenol	200	U	1870	1450		ug/Kg	*	78	37 - 120	2	18
3,3'-Dichlorobenzidine	380	U	3730	3410		ug/Kg	*	91	37 - 126	0	25
3-Nitroaniline	380	U	1870	1320		ug/Kg	*	71	48 - 120	2	19
4,6-Dinitro-2-methylphenol	380	U	3730	3380		ug/Kg	*	91	23 - 149	3	15
4-Bromophenyl phenyl ether	200	U	1870	1880		ug/Kg	*	101	58 - 120	4	15
4-Chloro-3-methylphenol	200	U	1870	1720		ug/Kg	*	92	49 - 125	7	27
4-Chloroaniline	200	U	1870	996		ug/Kg	*	53	38 - 120	5	22
4-Chlorophenyl phenyl ether	200	U	1870	1720		ug/Kg	*	92	63 - 124	1	16
4-Methylphenol	380	U	1870	1540		ug/Kg	*	82	50 - 120	2	24
4-Nitroaniline	380	U	1870	1530		ug/Kg	*	82	47 - 120	6	24
4-Nitrophenol	380	U	3730	4180		ug/Kg	*	112	31 - 147	1	25
Acenaphthene	200	U	1870	1480		ug/Kg	*	79	60 - 120	6	35
Acenaphthylene	200	U	1870	1630		ug/Kg	*	88	58 - 121	5	18
Acetophenone	200	U	1870	1560		ug/Kg	*	84	47 - 120	1	20
Anthracene	200	U	1870	1660		ug/Kg	*	89	62 - 120	2	15
Atrazine	200	U	3730	3570		ug/Kg	*	96	60 - 150	6	20
Benzaldehyde	200	U	3730	3340	E	ug/Kg	*	90	10 - 150	3	20
Benzo[a]anthracene	200	U	1870	1660		ug/Kg	*	89	65 - 120	1	15
Benzo[a]pyrene	200	U	1870	1580		ug/Kg	*	85	64 - 120	6	15
Benzo[b]fluoranthene	200	U	1870	1630		ug/Kg	*	87	10 - 150	6	15
Benzo[g,h,i]perylene	200	U	1870	1590		ug/Kg	*	85	45 - 145	3	15
Benzo[k]fluoranthene	200	U	1870	1660		ug/Kg	*	89	23 - 150	3	22
Biphenyl	200	U	1870	1480		ug/Kg	*	79	58 - 120	3	20
bis(2-chloroisopropyl) ether	200	U	1870	1060		ug/Kg	*	57	31 - 120	2	24
Bis(2-chloroethoxy)methane	200	U	1870	1420		ug/Kg	*	76	52 - 120	5	17
Bis(2-chloroethyl)ether	200	U	1870	1310		ug/Kg	*	70	45 - 120	0	21
Bis(2-ethylhexyl) phthalate	200	U	1870	1730		ug/Kg	*	93	61 - 133	0	15
Butyl benzyl phthalate	200	U	1870	1680		ug/Kg	*	90	61 - 120	0	16
Caprolactam	200	U	3730	3180		ug/Kg	*	85	37 - 133	0	20
Carbazole	200	U	1870	1670		ug/Kg	*	89	59 - 120	0	20
Chrysene	200	U	1870	1620		ug/Kg	*	87	64 - 120	3	15
Dibenz(a,h)anthracene	200	U	1870	1650		ug/Kg	*	88	54 - 132	4	15
Dibenzofuran	200	U	1870	1590		ug/Kg	*	85	62 - 120	4	15
Diethyl phthalate	200	U	1870	1840		ug/Kg	*	99	66 - 120	3	15
Dimethyl phthalate	200	U	1870	1690		ug/Kg	*	91	65 - 124	3	15
Di-n-butyl phthalate	200	U	1870	1850		ug/Kg	*	99	58 - 130	1	15
Di-n-octyl phthalate	200	U	1870	1670		ug/Kg	*	89	57 - 133	0	16
Fluoranthene	200	U	1870	1730		ug/Kg	*	93	62 - 120	2	15
Fluorene	200	U	1870	1630		ug/Kg	*	88	63 - 120	2	15
Hexachlorobenzene	200	U	1870	1930		ug/Kg	*	104	60 - 120	1	15
Hexachlorobutadiene	200	U	1870	1660		ug/Kg	*	89	45 - 120	6	44
Hexachlorocyclopentadiene	200	U	1870	1610		ug/Kg	*	86	31 - 120	3	49
Hexachloroethane	200	U	1870	1460		ug/Kg	*	78	21 - 120	3	46
Indeno[1,2,3-cd]pyrene	200	U	1870	1610		ug/Kg	*	86	56 - 134	3	15
Isophorone	200	U	1870	1610		ug/Kg	*	86	56 - 120	1	17
Naphthalene	200	U	1870	1400		ug/Kg	*	75	46 - 120	4	29
Nitrobenzene	200	U	1870	1400		ug/Kg	*	75	49 - 120	4	24
N-Nitrosodi-n-propylamine	200	U	1870	1490		ug/Kg	*	80	46 - 120	3	31

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187610-2 MSD

Matrix: Solid

Analysis Batch: 591346

Client Sample ID: TP-21-110 (07222021)

Prep Type: Total/NA

Prep Batch: 590867

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-Nitrosodiphenylamine	200	U	1870	1610		ug/Kg	☼	86	20 - 128	0	15
Pentachlorophenol	380	U	3730	3610		ug/Kg	☼	97	25 - 136	1	35
Phenanthrene	200	U	1870	1590		ug/Kg	☼	85	60 - 122	2	15
Phenol	200	U	1870	1390		ug/Kg	☼	75	50 - 120	3	35
Pyrene	200	U	1870	1620		ug/Kg	☼	87	61 - 133	0	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	116		54 - 120
2-Fluorobiphenyl (Surr)	88		60 - 120
2-Fluorophenol (Surr)	76		52 - 120
Nitrobenzene-d5 (Surr)	86		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	101		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-590989/1-A

Matrix: Solid

Analysis Batch: 591017

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590989

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
cis-Chlordane	1.7	U	1.7	0.82	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endrin	1.7	U	1.7	0.33	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Endrin ketone	0.461	J	1.7	0.41	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
gamma-BHC (Lindane)	0.414	J	1.7	0.30	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
Toxaphene	17	U	17	9.6	ug/Kg		07/29/21 17:22	07/30/21 09:57	1
trans-Chlordane	1.7	U	1.7	0.52	ug/Kg		07/29/21 17:22	07/30/21 09:57	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		45 - 120	07/29/21 17:22	07/30/21 09:57	1
DCB Decachlorobiphenyl	72		45 - 120	07/29/21 17:22	07/30/21 09:57	1
Tetrachloro-m-xylene	69		30 - 124	07/29/21 17:22	07/30/21 09:57	1
Tetrachloro-m-xylene	56		30 - 124	07/29/21 17:22	07/30/21 09:57	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-590989/2-A

Matrix: Solid

Analysis Batch: 591017

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590989

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	16.4	13.0		ug/Kg		79	56 - 120
4,4'-DDE	16.4	12.7		ug/Kg		77	44 - 120
4,4'-DDT	16.4	11.8		ug/Kg		72	38 - 120
Aldrin	16.4	10.3		ug/Kg		62	38 - 120
alpha-BHC	16.4	9.11		ug/Kg		55	39 - 120
beta-BHC	16.4	11.3		ug/Kg		69	40 - 120
cis-Chlordane	16.4	11.2		ug/Kg		68	47 - 120
delta-BHC	16.4	11.1		ug/Kg		68	45 - 120
Dieldrin	16.4	12.9		ug/Kg		79	58 - 120
Endosulfan I	16.4	13.0		ug/Kg		79	49 - 120
Endosulfan II	16.4	12.5		ug/Kg		76	55 - 120
Endosulfan sulfate	16.4	12.0		ug/Kg		73	49 - 124
Endrin	16.4	12.9		ug/Kg		78	58 - 120
Endrin aldehyde	16.4	9.57		ug/Kg		58	37 - 121
Endrin ketone	16.4	11.5		ug/Kg		70	46 - 123
gamma-BHC (Lindane)	16.4	10.7		ug/Kg		65	50 - 120
Heptachlor	16.4	11.3		ug/Kg		69	50 - 120
Heptachlor epoxide	16.4	11.6		ug/Kg		70	50 - 120
Methoxychlor	16.4	11.5		ug/Kg		70	58 - 133
trans-Chlordane	16.4	12.0		ug/Kg		73	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	91		45 - 120
DCB Decachlorobiphenyl	74		45 - 120
Tetrachloro-m-xylene	76		30 - 124
Tetrachloro-m-xylene	58		30 - 124

Lab Sample ID: 480-187610-7 MS

Matrix: Solid

Analysis Batch: 591017

Client Sample ID: TPB-21-101 (07222021)

Prep Type: Total/NA

Prep Batch: 590989

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	1.9	U	19.3	16.0		ug/Kg	✖	83	37 - 126
4,4'-DDE	1.9	U	19.3	15.9		ug/Kg	✖	82	34 - 120
4,4'-DDT	1.9	U	19.3	14.1		ug/Kg	✖	73	43 - 123
Aldrin	1.9	U T	19.3	15.5		ug/Kg	✖	80	37 - 125
alpha-BHC	1.9	U	19.3	11.8		ug/Kg	✖	61	39 - 120
beta-BHC	1.9	U	19.3	13.5		ug/Kg	✖	70	36 - 120
cis-Chlordane	1.9	U	19.3	14.5		ug/Kg	✖	75	35 - 120
delta-BHC	1.9	U T	19.3	14.4		ug/Kg	✖	75	34 - 120
Dieldrin	1.9	U	19.3	16.4		ug/Kg	✖	85	45 - 120
Endosulfan I	1.9	U	19.3	16.1		ug/Kg	✖	83	39 - 120
Endosulfan II	1.9	U	19.3	15.9		ug/Kg	✖	82	34 - 126
Endosulfan sulfate	1.9	U	19.3	15.3		ug/Kg	✖	79	27 - 130
Endrin	1.9	U	19.3	16.1		ug/Kg	✖	84	47 - 121
Endrin aldehyde	1.9	U	19.3	12.7		ug/Kg	✖	66	33 - 123
Endrin ketone	0.65	J B	19.3	14.3		ug/Kg	✖	71	43 - 126
gamma-BHC (Lindane)	0.57	J B T	19.3	13.4		ug/Kg	✖	67	50 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-187610-7 MS

Client Sample ID: TPB-21-101 (07222021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591017

Prep Batch: 590989

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Heptachlor	1.9	U	19.3	13.5		ug/Kg	⊛	70	42 - 120	
Heptachlor epoxide	1.9	U	19.3	14.9		ug/Kg	⊛	77	40 - 120	
Methoxychlor	1.9	U	19.3	13.9		ug/Kg	⊛	72	44 - 150	
trans-Chlordane	1.9	U T	19.3	15.1		ug/Kg	⊛	64	31 - 120	
MS MS										
Surrogate	%Recovery	Qualifier	Limits							
DCB Decachlorobiphenyl	92		45 - 120							
DCB Decachlorobiphenyl	80		45 - 120							
Tetrachloro-m-xylene	76		30 - 124							
Tetrachloro-m-xylene	62		30 - 124							

Lab Sample ID: 480-187610-7 MSD

Client Sample ID: TPB-21-101 (07222021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591017

Prep Batch: 590989

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	RPD
	Result	Qualifier		Result	Qualifier						RPD	Limit
4,4'-DDD	1.9	U	19.3	14.2		ug/Kg	⊛	73	37 - 126	12	21	
4,4'-DDE	1.9	U	19.3	14.4		ug/Kg	⊛	75	34 - 120	10	18	
4,4'-DDT	1.9	U	19.3	12.1		ug/Kg	⊛	63	43 - 123	15	25	
Aldrin	1.9	U T	19.3	13.4	T	ug/Kg	⊛	69	37 - 125	14	12	
alpha-BHC	1.9	U	19.3	10.3		ug/Kg	⊛	53	39 - 120	14	15	
beta-BHC	1.9	U	19.3	11.9		ug/Kg	⊛	62	36 - 120	13	19	
cis-Chlordane	1.9	U	19.3	13.3		ug/Kg	⊛	69	35 - 120	9	23	
delta-BHC	1.9	U T	19.3	12.4	T	ug/Kg	⊛	64	34 - 120	15	14	
Dieldrin	1.9	U	19.3	14.6		ug/Kg	⊛	75	45 - 120	12	12	
Endosulfan I	1.9	U	19.3	14.4		ug/Kg	⊛	75	39 - 120	11	18	
Endosulfan II	1.9	U	19.3	13.9		ug/Kg	⊛	72	34 - 126	14	26	
Endosulfan sulfate	1.9	U	19.3	12.9		ug/Kg	⊛	67	27 - 130	17	35	
Endrin	1.9	U	19.3	14.4		ug/Kg	⊛	75	47 - 121	11	20	
Endrin aldehyde	1.9	U	19.3	10.6		ug/Kg	⊛	55	33 - 123	19	47	
Endrin ketone	0.65	J B	19.3	12.0		ug/Kg	⊛	59	43 - 126	18	37	
gamma-BHC (Lindane)	0.57	J B T	19.3	11.6	T	ug/Kg	⊛	57	50 - 120	14	12	
Heptachlor	1.9	U	19.3	11.6		ug/Kg	⊛	60	42 - 120	15	22	
Heptachlor epoxide	1.9	U	19.3	13.1		ug/Kg	⊛	68	40 - 120	13	15	
Methoxychlor	1.9	U	19.3	11.5		ug/Kg	⊛	60	44 - 150	19	24	
trans-Chlordane	1.9	U T	19.3	13.6		ug/Kg	⊛	57	31 - 120	11	15	
MSD MSD												
Surrogate	%Recovery	Qualifier	Limits									
DCB Decachlorobiphenyl	80		45 - 120									
DCB Decachlorobiphenyl	72		45 - 120									
Tetrachloro-m-xylene	71		30 - 124									
Tetrachloro-m-xylene	56		30 - 124									

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590515/1-A
Matrix: Solid
Analysis Batch: 591232

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590515

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.24	U	0.24	0.047	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg		07/27/21 08:43	08/01/21 23:09	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg		07/27/21 08:43	08/01/21 23:09	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	115		60 - 154	07/27/21 08:43	08/01/21 23:09	1
Tetrachloro-m-xylene	118		60 - 154	07/27/21 08:43	08/01/21 23:09	1
DCB Decachlorobiphenyl	119		65 - 174	07/27/21 08:43	08/01/21 23:09	1
DCB Decachlorobiphenyl	131		65 - 174	07/27/21 08:43	08/01/21 23:09	1

Lab Sample ID: LCS 480-590515/2-A
Matrix: Solid
Analysis Batch: 591232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590515

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	1.95	2.31		mg/Kg		119	51 - 185
PCB-1260	1.95	2.55		mg/Kg		131	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	126		60 - 154
Tetrachloro-m-xylene	133		60 - 154
DCB Decachlorobiphenyl	132		65 - 174
DCB Decachlorobiphenyl	144		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-590502/1-A
Matrix: Solid
Analysis Batch: 590912

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590502

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		07/27/21 06:44	07/29/21 12:58	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		07/27/21 06:44	07/29/21 12:58	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	74		28 - 129	07/27/21 06:44	07/29/21 12:58	1
2,4-Dichlorophenylacetic acid	69		28 - 129	07/27/21 06:44	07/29/21 12:58	1

Lab Sample ID: LCS 480-590502/2-A
Matrix: Solid
Analysis Batch: 590912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590502

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
2,4-D	65.6	60.2		ug/Kg		92	40 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCS 480-590502/2-A
Matrix: Solid
Analysis Batch: 590912

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590502

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Silvex (2,4,5-TP)	65.6	54.6		ug/Kg		83	39 - 125
LCS LCS							
Surrogate	%Recovery	Qualifier	Limits				
2,4-Dichlorophenylacetic acid	76		28 - 129				
2,4-Dichlorophenylacetic acid	65		28 - 129				

Lab Sample ID: 480-187610-1 MS
Matrix: Solid
Analysis Batch: 590912

Client Sample ID: TP-21-102 (07222021)
Prep Type: Total/NA
Prep Batch: 590502

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	21	U	84.2	69.7		ug/Kg	⊛	83	32 - 115
Silvex (2,4,5-TP)	21	U	84.2	62.0		ug/Kg	⊛	74	22 - 140
MS MS									
Surrogate	%Recovery	Qualifier	Limits						
2,4-Dichlorophenylacetic acid	74		28 - 129						
2,4-Dichlorophenylacetic acid	62		28 - 129						

Lab Sample ID: 480-187610-1 MSD
Matrix: Solid
Analysis Batch: 590912

Client Sample ID: TP-21-102 (07222021)
Prep Type: Total/NA
Prep Batch: 590502

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
2,4-D	21	U	84.1	65.9		ug/Kg	⊛	78	32 - 115	6	50
Silvex (2,4,5-TP)	21	U	84.1	58.1		ug/Kg	⊛	69	22 - 140	7	50
MSD MSD											
Surrogate	%Recovery	Qualifier	Limits								
2,4-Dichlorophenylacetic acid	75		28 - 129								
2,4-Dichlorophenylacetic acid	64		28 - 129								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-590926/1-A
Matrix: Solid
Analysis Batch: 591312

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590926

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.6	U	10.6	4.7	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Antimony	15.9	U	15.9	0.42	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Arsenic	2.1	U	2.1	0.42	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Barium	0.53	U	0.53	0.12	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Beryllium	0.21	U	0.21	0.030	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Cadmium	0.21	U	0.21	0.032	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Calcium	5.96	J	53.0	3.5	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Chromium	0.53	U	0.53	0.21	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Cobalt	0.53	U	0.53	0.053	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Copper	1.1	U	1.1	0.22	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Iron	10.6	U ^	10.6	3.7	mg/Kg		07/29/21 15:56	07/30/21 19:57	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-590926/1-A

Matrix: Solid

Analysis Batch: 591312

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590926

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Lead	1.1	U	1.1	0.25	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Magnesium	21.2	U	21.2	0.98	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Manganese	0.21	U ^	0.21	0.034	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Nickel	5.3	U	5.3	0.24	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Potassium	31.8	U	31.8	21.2	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Selenium	4.2	U	4.2	0.42	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Silver	0.64	U	0.64	0.21	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Sodium	148	U	148	13.8	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Thallium	6.4	U	6.4	0.32	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Vanadium	0.53	U	0.53	0.12	mg/Kg		07/29/21 15:56	07/30/21 19:57	1
Zinc	2.1	U	2.1	0.68	mg/Kg		07/29/21 15:56	07/30/21 19:57	1

Lab Sample ID: LCSSRM 480-590926/2-A

Matrix: Solid

Analysis Batch: 591312

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 590926

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	8190	8529		mg/Kg		104.1	50.1 - 150.2	
Antimony	110	74.90		mg/Kg		68.1	22.2 - 254.5	
Arsenic	162	134.9		mg/Kg		83.3	70.4 - 130.2	
Barium	138	125.3		mg/Kg		90.8	74.6 - 124.6	
Beryllium	157	150.4		mg/Kg		95.8	75.2 - 125.5	
Cadmium	135	125.4		mg/Kg		92.9	74.8 - 124.4	
Calcium	4790	4431		mg/Kg		92.5	72.7 - 127.3	
Chromium	117	104.3		mg/Kg		89.1	70.1 - 129.9	
Cobalt	92.6	98.22		mg/Kg		106.1	75.1 - 125.3	
Copper	143	119.3		mg/Kg		83.4	74.8 - 124.5	
Iron	15100	12300 ^		mg/Kg		81.4	37.2 - 162.9	
Lead	77.6	71.66		mg/Kg		92.3	68.8 - 131.4	
Magnesium	2320	2110		mg/Kg		90.9	62.1 - 137.9	
Manganese	319	287.8 ^		mg/Kg		90.2	74.9 - 125.1	
Nickel	79.9	84.78		mg/Kg		106.1	70.0 - 130.2	
Potassium	2050	1994		mg/Kg		97.3	59.5 - 141.0	
Selenium	172	145.0		mg/Kg		84.3	68.0 - 132.6	
Silver	24.7	19.92		mg/Kg		80.6	67.2 - 133.2	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-590926/2-A
Matrix: Solid
Analysis Batch: 591312

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590926

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Sodium	137	147.1		mg/Kg		107.4	35.8 - 164.2
Thallium	88.0	89.40		mg/Kg		101.6	66.0 - 134.1
Vanadium	99.9	88.08		mg/Kg		88.2	67.4 - 132.1
Zinc	312	282.8		mg/Kg		90.6	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590977/1-A
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0039	mg/Kg		08/02/21 13:48	08/02/21 15:01	1

Lab Sample ID: LCSSRM 480-590977/2-A ^10
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590977

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	24.80		mg/Kg		91.2	59.9 - 140.1

Lab Sample ID: MB 480-591184/1-A
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0038	mg/Kg		08/02/21 13:48	08/02/21 15:39	1

Lab Sample ID: LCSSRM 480-591184/2-A ^10
Matrix: Solid
Analysis Batch: 591381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591184

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	25.29		mg/Kg		93.0	59.9 - 140.1

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

GC/MS VOA

Analysis Batch: 591044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8260C	591104
480-187610-3	TP-21-101 (07222021)	Total/NA	Solid	8260C	591104
480-187610-4	TP-21-111 (07222021)	Total/NA	Solid	8260C	591104
480-187610-5	TP-21-112 (07222021)	Total/NA	Solid	8260C	591104
480-187610-8	TP-21-106 (07232021)	Total/NA	Solid	8260C	591104
480-187610-10	TP-21-103 (07232021)	Total/NA	Solid	8260C	591104
480-187610-12	TP-21-139 (07232021)	Total/NA	Solid	8260C	591104
480-187610-14	TPB-21-140 (07232021)	Total/NA	Solid	8260C	591104
MB 480-591104/2-A	Method Blank	Total/NA	Solid	8260C	591104
LCS 480-591104/1-A	Lab Control Sample	Total/NA	Solid	8260C	591104

Prep Batch: 591104

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	5035A_L	
480-187610-3	TP-21-101 (07222021)	Total/NA	Solid	5035A_L	
480-187610-4	TP-21-111 (07222021)	Total/NA	Solid	5035A_L	
480-187610-5	TP-21-112 (07222021)	Total/NA	Solid	5035A_L	
480-187610-8	TP-21-106 (07232021)	Total/NA	Solid	5035A_L	
480-187610-10	TP-21-103 (07232021)	Total/NA	Solid	5035A_L	
480-187610-12	TP-21-139 (07232021)	Total/NA	Solid	5035A_L	
480-187610-14	TPB-21-140 (07232021)	Total/NA	Solid	5035A_L	
MB 480-591104/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591104/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 590867

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	3550C	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	3550C	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	3550C	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	3550C	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	3550C	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	3550C	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	3550C	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	3550C	
MB 480-590867/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590867/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187610-2 MS	TP-21-110 (07222021)	Total/NA	Solid	3550C	
480-187610-2 MSD	TP-21-110 (07222021)	Total/NA	Solid	3550C	

Analysis Batch: 591346

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8270D	590867
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	8270D	590867
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	8270D	590867
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	8270D	590867
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	8270D	590867
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	8270D	590867
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	8270D	590867
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	8270D	590867

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

GC/MS Semi VOA (Continued)

Analysis Batch: 591346 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-590867/1-A	Method Blank	Total/NA	Solid	8270D	590867
LCS 480-590867/2-A	Lab Control Sample	Total/NA	Solid	8270D	590867
480-187610-2 MS	TP-21-110 (07222021)	Total/NA	Solid	8270D	590867
480-187610-2 MSD	TP-21-110 (07222021)	Total/NA	Solid	8270D	590867

GC Semi VOA

Prep Batch: 590502

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8151A	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	8151A	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	8151A	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	8151A	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	8151A	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	8151A	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	8151A	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	8151A	
MB 480-590502/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-590502/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-187610-1 MS	TP-21-102 (07222021)	Total/NA	Solid	8151A	
480-187610-1 MSD	TP-21-102 (07222021)	Total/NA	Solid	8151A	

Prep Batch: 590515

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	3550C	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	3550C	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	3550C	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	3550C	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	3550C	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	3550C	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	3550C	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	3550C	
MB 480-590515/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590515/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590912

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8151A	590502
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	8151A	590502
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	8151A	590502
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	8151A	590502
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	8151A	590502
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	8151A	590502
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	8151A	590502
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	8151A	590502
MB 480-590502/1-A	Method Blank	Total/NA	Solid	8151A	590502
LCS 480-590502/2-A	Lab Control Sample	Total/NA	Solid	8151A	590502
480-187610-1 MS	TP-21-102 (07222021)	Total/NA	Solid	8151A	590502
480-187610-1 MSD	TP-21-102 (07222021)	Total/NA	Solid	8151A	590502

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

GC Semi VOA

Analysis Batch: 590964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8082A	590515
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	8082A	590515
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	8082A	590515
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	8082A	590515
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	8082A	590515
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	8082A	590515
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	8082A	590515
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	8082A	590515

Prep Batch: 590989

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	3550C	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	3550C	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	3550C	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	3550C	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	3550C	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	3550C	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	3550C	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	3550C	
MB 480-590989/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590989/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187610-7 MS	TPB-21-101 (07222021)	Total/NA	Solid	3550C	
480-187610-7 MSD	TPB-21-101 (07222021)	Total/NA	Solid	3550C	

Analysis Batch: 591017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	8081B	590989
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	8081B	590989
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	8081B	590989
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	8081B	590989
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	8081B	590989
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	8081B	590989
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	8081B	590989
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	8081B	590989
MB 480-590989/1-A	Method Blank	Total/NA	Solid	8081B	590989
LCS 480-590989/2-A	Lab Control Sample	Total/NA	Solid	8081B	590989
480-187610-7 MS	TPB-21-101 (07222021)	Total/NA	Solid	8081B	590989
480-187610-7 MSD	TPB-21-101 (07222021)	Total/NA	Solid	8081B	590989

Analysis Batch: 591232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-590515/1-A	Method Blank	Total/NA	Solid	8082A	590515
LCS 480-590515/2-A	Lab Control Sample	Total/NA	Solid	8082A	590515

Metals

Prep Batch: 590926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	3050B	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	3050B	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	3050B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Metals (Continued)

Prep Batch: 590926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	3050B	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	3050B	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	3050B	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	3050B	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	3050B	
MB 480-590926/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-590926/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 590977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	7471B	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	7471B	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	7471B	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	7471B	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	7471B	
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590977/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 591184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	7471B	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	7471B	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	7471B	
MB 480-591184/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-591184/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 591312

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	6010C	590926
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	6010C	590926
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	6010C	590926
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	6010C	590926
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	6010C	590926
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	6010C	590926
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	6010C	590926
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	6010C	590926
MB 480-590926/1-A	Method Blank	Total/NA	Solid	6010C	590926
LCSSRM 480-590926/2-A	Lab Control Sample	Total/NA	Solid	6010C	590926

Analysis Batch: 591381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	7471B	590977
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	7471B	590977
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	7471B	590977
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	7471B	590977
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	7471B	590977
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	7471B	591184
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	7471B	591184
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	7471B	591184
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	590977
MB 480-591184/1-A	Method Blank	Total/NA	Solid	7471B	591184

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QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Metals (Continued)

Analysis Batch: 591381 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 480-590977/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	590977
LCSSRM 480-591184/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	591184

Analysis Batch: 591490

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	6010C	590926
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	6010C	590926
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	6010C	590926
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	6010C	590926
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	6010C	590926
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	6010C	590926

General Chemistry

Analysis Batch: 590327

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187610-1	TP-21-102 (07222021)	Total/NA	Solid	Moisture	
480-187610-2	TP-21-110 (07222021)	Total/NA	Solid	Moisture	
480-187610-3	TP-21-101 (07222021)	Total/NA	Solid	Moisture	
480-187610-4	TP-21-111 (07222021)	Total/NA	Solid	Moisture	
480-187610-5	TP-21-112 (07222021)	Total/NA	Solid	Moisture	
480-187610-6	TP-21-113 (07222021)	Total/NA	Solid	Moisture	
480-187610-7	TPB-21-101 (07222021)	Total/NA	Solid	Moisture	
480-187610-8	TP-21-106 (07232021)	Total/NA	Solid	Moisture	
480-187610-9	TP-21-107 (07232021)	Total/NA	Solid	Moisture	
480-187610-10	TP-21-103 (07232021)	Total/NA	Solid	Moisture	
480-187610-11	TP-21-127 (07232021)	Total/NA	Solid	Moisture	
480-187610-12	TP-21-139 (07232021)	Total/NA	Solid	Moisture	
480-187610-13	TP-21-109 (07232021)	Total/NA	Solid	Moisture	
480-187610-14	TPB-21-140 (07232021)	Total/NA	Solid	Moisture	
480-187610-15	TPB-21-137 (07232021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-102 (07222021)

Lab Sample ID: 480-187610-1

Date Collected: 07/22/21 15:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 77.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 14:00	LCH	TAL BUF
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 17:02	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 11:35	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 00:19	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 14:58	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:28	AMH	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:25	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:32	BMB	TAL BUF

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 16:38	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 11:54	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 00:32	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 15:27	JLS	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-110 (07222021)

Lab Sample ID: 480-187610-2

Date Collected: 07/22/21 16:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:32	AMH	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:40	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:34	BMB	TAL BUF

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

Date Collected: 07/22/21 16:10

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-101 (07222021)

Lab Sample ID: 480-187610-3

Date Collected: 07/22/21 16:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 14:24	LCH	TAL BUF

Client Sample ID: TP-21-111 (07222021)

Lab Sample ID: 480-187610-4

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-111 (07222021)

Lab Sample ID: 480-187610-4

Date Collected: 07/22/21 16:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 14:48	LCH	TAL BUF

Client Sample ID: TP-21-112 (07222021)

Lab Sample ID: 480-187610-5

Date Collected: 07/22/21 16:30

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-112 (07222021)

Lab Sample ID: 480-187610-5

Date Collected: 07/22/21 16:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 15:13	LCH	TAL BUF

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-113 (07222021)

Lab Sample ID: 480-187610-6

Date Collected: 07/22/21 16:40

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		5	591346	08/02/21 17:27	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		20	591017	07/30/21 12:14	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 00:45	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 15:57	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:36	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:35	BMB	TAL BUF

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 17:51	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 11:15	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 00:58	NC	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-101 (07222021)

Lab Sample ID: 480-187610-7

Date Collected: 07/22/21 16:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 16:27	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:40	AMH	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:43	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:36	BMB	TAL BUF

Client Sample ID: TP-21-106 (07232021)

Lab Sample ID: 480-187610-8

Date Collected: 07/23/21 07:44

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-106 (07232021)

Lab Sample ID: 480-187610-8

Date Collected: 07/23/21 07:44

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 91.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 15:38	LCH	TAL BUF

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 18:15	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 12:33	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 01:37	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 16:57	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:43	AMH	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-107 (07232021)

Lab Sample ID: 480-187610-9

Date Collected: 07/23/21 08:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:47	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:38	BMB	TAL BUF

Client Sample ID: TP-21-103 (07232021)

Lab Sample ID: 480-187610-10

Date Collected: 07/23/21 08:20

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-103 (07232021)

Lab Sample ID: 480-187610-10

Date Collected: 07/23/21 08:20

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 16:02	LCH	TAL BUF

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-127 (07232021)

Lab Sample ID: 480-187610-11

Date Collected: 07/23/21 08:45

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 18:38	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 12:53	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 01:49	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 17:27	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:47	AMH	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:51	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:43	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TP-21-139 (07232021)

Lab Sample ID: 480-187610-12

Date Collected: 07/23/21 09:00

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-139 (07232021)

Lab Sample ID: 480-187610-12

Date Collected: 07/23/21 09:00

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 16:26	LCH	TAL BUF

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TP-21-109 (07232021)

Lab Sample ID: 480-187610-13

Date Collected: 07/23/21 09:30

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 19:02	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		1	591017	07/30/21 13:12	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 02:02	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 18:26	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 21:51	AMH	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591490	08/02/21 12:54	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:44	BMB	TAL BUF

Client Sample ID: TPB-21-140 (07232021)

Lab Sample ID: 480-187610-14

Date Collected: 07/23/21 09:50

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Client Sample ID: TPB-21-140 (07232021)

Lab Sample ID: 480-187610-14

Date Collected: 07/23/21 09:50

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591104	07/24/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591044	07/30/21 16:50	LCH	TAL BUF

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590327	07/24/21 16:59	CLA	TAL BUF

Client Sample ID: TPB-21-137 (07232021)

Lab Sample ID: 480-187610-15

Date Collected: 07/23/21 10:10

Matrix: Solid

Date Received: 07/24/21 08:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590867	07/29/21 08:25	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591346	08/02/21 19:25	PJQ	TAL BUF
Total/NA	Prep	3550C			590989	07/29/21 17:22	ATG	TAL BUF
Total/NA	Analysis	8081B		5	591017	07/30/21 13:32	JLS	TAL BUF
Total/NA	Prep	3550C			590515	07/27/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/30/21 02:15	NC	TAL BUF
Total/NA	Prep	8151A			590502	07/27/21 06:44	SMP	TAL BUF
Total/NA	Analysis	8151A		1	590912	07/29/21 18:56	JLS	TAL BUF
Total/NA	Prep	3050B			590926	07/29/21 15:56	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591312	07/30/21 22:06	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:48	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187610-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187610-1	TP-21-102 (07222021)	Solid	07/22/21 15:30	07/24/21 08:00
480-187610-2	TP-21-110 (07222021)	Solid	07/22/21 16:00	07/24/21 08:00
480-187610-3	TP-21-101 (07222021)	Solid	07/22/21 16:10	07/24/21 08:00
480-187610-4	TP-21-111 (07222021)	Solid	07/22/21 16:20	07/24/21 08:00
480-187610-5	TP-21-112 (07222021)	Solid	07/22/21 16:30	07/24/21 08:00
480-187610-6	TP-21-113 (07222021)	Solid	07/22/21 16:40	07/24/21 08:00
480-187610-7	TPB-21-101 (07222021)	Solid	07/22/21 16:50	07/24/21 08:00
480-187610-8	TP-21-106 (07232021)	Solid	07/23/21 07:44	07/24/21 08:00
480-187610-9	TP-21-107 (07232021)	Solid	07/23/21 08:00	07/24/21 08:00
480-187610-10	TP-21-103 (07232021)	Solid	07/23/21 08:20	07/24/21 08:00
480-187610-11	TP-21-127 (07232021)	Solid	07/23/21 08:45	07/24/21 08:00
480-187610-12	TP-21-139 (07232021)	Solid	07/23/21 09:00	07/24/21 08:00
480-187610-13	TP-21-109 (07232021)	Solid	07/23/21 09:30	07/24/21 08:00
480-187610-14	TPB-21-140 (07232021)	Solid	07/23/21 09:50	07/24/21 08:00
480-187610-15	TPB-21-137 (07232021)	Solid	07/23/21 10:10	07/24/21 08:00

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Chain of Custody Record

Client Information		Lab PM: Schrove, John R	Carrier Tracking No(s):	COC No: 480-163242-35874.1
Client Contact: Mr. Robert Sents		E-Mail: John.Schrove@Eurofins.com	State of Origin:	Page: Page 1 of 4 XP
Company: ERM-Northeast		PWSID:	Job #:	
Address: 5784 Widewaters Pkwy		Analysis Requested		
City: Dewitt		Due Date Requested:		
State, Zip: NY, 13214		TAT Requested (days): Standard		
Phone: 315-445-2543(Tel)		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Email: robert.sents@erm.com		Purchase Order Requested		
Project Name: Li-Cycle: Lidesfr-Ridgeway Property		WO #:		
Site:		Project #: 48023985		
		SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, BT=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFQ, IDA - PFA5, Standard List (21 analytes)	866C - TEL VOCs + 16 TC	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Total Number	Special Instructions/Note:
TP-21-102 (07222021)	7/22/2021	1530	Solid	Solid	X	X	X	X	X	X	7	
TP-21-110 (07222021)		1600	Solid	Solid	X	X	X	X	X	X	3	
TP-21-101 (7222021)		1610	Solid	Solid	X	X	X	X	X	X	4	
TP-21-111 (07222021)		1620	Solid	Solid	X	X	X	X	X	X	4	
TP-21-112 (07222021)		1630	Solid	Solid	X	X	X	X	X	X	4	
TP-21-113 (07222021)		1640	Solid	Solid	X	X	X	X	X	X	3	
TPB-21-101 (07222021)		1650	Solid	Solid	X	X	X	X	X	X	3	
TP-21-106 (07232021)	7/23/2021	0740	Solid	Solid	X	X	X	X	X	X	4	
TP-21-107 (07232021)		0800	Solid	Solid	X	X	X	X	X	X	3	
TP-21-108 (07232021)		0820	Solid	Solid	X	X	X	X	X	X	4	
TP-21-127 (07232021)		0845	Solid	Solid	X	X	X	X	X	X	3	

480-187610 Chain of Custody

Barcode: [Barcode]

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - MeOH
 H2SO4
 M - Hexane
 N - None
 O - AsNaO2
 P - Na2O4S
 Q - Na2SO3
 R - Na2SO3
 TSP Dodecahydrate
 Acetone
 MCAA
 pH 4.5
 other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: ASP Cat B deliverables

Received by: R. Reigle
 Date/Time: 7/23/21, 14:10
 Company: ERM

Received by: [Signature]
 Date/Time: 7/24/21 0800
 Company: ERM

Received by: [Signature]
 Date/Time: 7/24/21 0800
 Company: ERM

Cooler Temperature(s) °C and Other Remarks: 3.1 #1

Chain of Custody Record

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Client Information		Lab PM: Schove, John R		Carrier Tracking No(s):		COC No: 480-160789-35375.1	
Client Contact: Mr. Robert Sents		E-Mail: John.Schove@Eurofinset.com		State of Origin:		Page 2 of 2	
Company: ERM-Northeast		PWSID:				Job #: 10	
Address: 5784 Widewaters Pkwy		Due Date Requested:					
City: Dewitt		TAT Requested (days): Standard					
State, Zip: NY, 13214		Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No					
Phone: 315-445-2543(Tel)		PO #:					
Email: robert.sents@erm.com		Purchase Order Requested					
Project Name: Sannina Investigation - Owego, NY		WO #:					
Project #: 48023407							
Site: S50W#:							

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastwater, BT=tissue, A=air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9012B - Cyanide, Total	8270D - SVOC - 1,4 Dioxane	8082A - TCL PCBs	9015B - PCBs	8081B, 8151A, 8270D	8260C - TCL VOCs + 10 TICS	9012B - Cyanide, Total	8270D - SVOC - 1,4 Dioxane	8082A - TCL PCBs	9015B - PCBs	8081B, 8151A, 8270D	8260C - TCL VOCs + 10 TICS	Total Number of Containers	Special Instructions/Note:
TP-21-139 (07232021)	7/23/2021	0900	C	Solid		X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
TP-21-109 (07232021)		0930		Solid		X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	
TPB-21-140 (07232021)		0950		Solid		X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
TPB-21-137 (07232021)		1010		Solid		X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: I, II, III, IV, Other (specify) <u>IV</u>	
Empty Kit Relinquished by: <u>John Schove</u>		Date:	
Relinquished by:	Date/Time:	Company:	Method of Shipment:
<u>John Schove</u>	7/23/2021 1410	ERM Company	
Relinquished by:	Date/Time:	Company:	
<u>John Schove</u>	7-23-21, 1900	ERM Company	
Relinquished by:	Date/Time:	Company:	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Special Instructions/QC Requirements: <u>ASP Cat B deliverables</u>	
Received by:	Date/Time:
<u>John Schove</u>	7-23-21, 14:10
Received by:	Date/Time:
Received by:	Date/Time:
Cooler Temperature(s) °C and Other Remarks:	



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187610-1

Login Number: 187610

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	FROZEN @ 1000
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187683-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:
8/10/2021 12:34:55 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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results through

TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Reported value is estimated.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Job ID: 480-187683-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187683-1

Comments

No additional comments.

Receipt

The samples were received on 7/28/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.7° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-591228 recovered above the upper control limit for Chloroethane, Chloromethane and Vinyl chloride. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-118 (1.0-1.25)(07262021) (480-187683-1), B-21-111 (0.0-0.1)(07262021) (480-187683-2), B-21-125 (4-5)(07262021) (480-187683-4), B-21-124 (6-7)(07262021) (480-187683-5), B-21-130 (1-2)(07262021) (480-187683-7), B-21-108 (0-1)(07272021) (480-187683-9) and B-21-108 (1-2)(07272021) (480-187683-10).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591226 and analytical batch 480-591228 recovered outside control limits for the following analytes: Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-118 (1.0-1.25)(07262021) (480-187683-1), B-21-111 (0.0-0.1)(07262021) (480-187683-2), B-21-125 (4-5)(07262021) (480-187683-4), B-21-124 (6-7)(07262021) (480-187683-5), B-21-130 (1-2)(07262021) (480-187683-7), B-21-108 (0-1)(07272021) (480-187683-9) and B-21-108 (1-2)(07272021) (480-187683-10).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591226 and analytical batch 480-591228 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-analysis was not performed. The associated samples are: B-21-118 (1.0-1.25)(07262021) (480-187683-1), B-21-111 (0.0-0.1)(07262021) (480-187683-2), B-21-125 (4-5)(07262021) (480-187683-4), B-21-124 (6-7)(07262021) (480-187683-5), B-21-130 (1-2)(07262021) (480-187683-7), B-21-108 (0-1)(07272021) (480-187683-9) and B-21-108 (1-2)(07272021) (480-187683-10). Batch precision also exceeded control limits for this analyte. These results have been reported and qualified.

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591268 recovered above the upper control limit for 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Chloroethane, Chloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-122 (0-0.1)(07272021) (480-187683-11), B-21-131 (4-4.15)(07272021) (480-187683-13) and B-21-126 (0-0.25)(07272021) (480-187683-14).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591268 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are: B-21-122 (0-0.1)(07272021) (480-187683-11), B-21-131 (4-4.15)(07272021) (480-187683-13) and B-21-126 (0-0.25)(07272021) (480-187683-14).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591328 and analytical batch 480-591268 recovered outside control limits for the following analytes: Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-122 (0-0.1)(07272021) (480-187683-11), B-21-131 (4-4.15)(07272021) (480-187683-13) and B-21-126 (0-0.25)(07272021) (480-187683-14).

Method 8260C: This sample was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time. The following sample was preserved via freezing on 7/28/2021 at 10:30: B-21-118 (1.0-1.25)(07262021) (480-187683-1). This is outside the 48 hour time frame required by the method.

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591328 and analytical batch 480-591268 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The associated samples are: B-21-122 (0-0.1)(07272021) (480-187683-11), B-21-131 (4-4.15)(07272021) (480-187683-13) and B-21-126 (0-0.25)(07272021) (480-187683-14).

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Job ID: 480-187683-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-125 (0-2)(07262021) (480-187683-3), B-21-124 (4-5)(07262021) (480-187683-6), B-21-130 (4-5)(07262021) (480-187683-8) and B-21-131 (2-3)(07272021) (480-187683-12). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): The matrix spike and matrix spike duplicate (MS/MSD) recoveries for preparation batch 200-169667 and analytical batch 200-169721 were outside control limits for Perfluorooctanesulfonic acid (PFOS). Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-118 (1.0-1.25)(07262021)

Lab Sample ID: 480-187683-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.1	J HT	20	3.4	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.34	J HT	4.1	0.31	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-111 (0.0-0.1)(07262021)

Lab Sample ID: 480-187683-2

No Detections.

Client Sample ID: B-21-125 (0-2)(07262021)

Lab Sample ID: 480-187683-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	150	J B	190	32	ug/Kg	1	✳	8270D	Total/NA
Endrin ketone	0.57	J B	1.9	0.45	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.54	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7930		11.2	4.9	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.8		2.2	0.45	mg/Kg	1	✳	6010C	Total/NA
Barium	18.8		0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.22	0.031	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.046	J	0.22	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	159000		112	7.4	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.6		0.56	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.6		0.56	0.056	mg/Kg	1	✳	6010C	Total/NA
Copper	8.4		2.2	0.47	mg/Kg	2	✳	6010C	Total/NA
Iron	12400	B	11.2	3.9	mg/Kg	1	✳	6010C	Total/NA
Lead	20.6		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	22000		22.5	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	273	B	0.22	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.8		5.6	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	3920		33.7	22.5	mg/Kg	1	✳	6010C	Total/NA
Sodium	166		157	14.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.2		0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.1		2.2	0.72	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0066	J	0.020	0.0045	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-125 (4-5)(07262021)

Lab Sample ID: 480-187683-4

No Detections.

Client Sample ID: B-21-124 (6-7)(07262021)

Lab Sample ID: 480-187683-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.7	J	25	1.8	ug/Kg	1	✳	8260C	Total/NA
Acetone	24	J	25	4.1	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	140	J B	200	33	ug/Kg	1	✳	8270D	Total/NA
Endrin aldehyde	0.72	J B	1.9	0.49	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.77	J B	1.9	0.47	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.49	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8350		11.2	4.9	mg/Kg	1	✳	6010C	Total/NA
Arsenic	7.2		2.2	0.45	mg/Kg	1	✳	6010C	Total/NA
Barium	16.1		0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.54		0.22	0.031	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (4-5)(07262021) (Continued)

Lab Sample ID: 480-187683-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.046	J	0.22	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	114000		112	7.4	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.0		0.56	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	8.0		0.56	0.056	mg/Kg	1	✳	6010C	Total/NA
Copper	10.4		2.2	0.47	mg/Kg	2	✳	6010C	Total/NA
Iron	16000	B	11.2	3.9	mg/Kg	1	✳	6010C	Total/NA
Lead	24.3		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	15300		22.4	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	289	B	0.22	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	17.3		5.6	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	3790		33.6	22.4	mg/Kg	1	✳	6010C	Total/NA
Sodium	145	J	157	14.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.5		0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	9.6		2.2	0.72	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

No Detections.

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	190	J B	200	33	ug/Kg	1	✳	8270D	Total/NA
Di-n-octyl phthalate	53	J	200	23	ug/Kg	1	✳	8270D	Total/NA
Endrin ketone	0.56	J B	1.9	0.47	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7510		11.8	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.2		2.4	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	20.2		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.46		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	176000		118	7.8	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.1		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.9		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	7.7		2.4	0.49	mg/Kg	2	✳	6010C	Total/NA
Iron	12200	B	11.8	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	17.6		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	21600		23.6	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	257	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.3		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3770		35.3	23.6	mg/Kg	1	✳	6010C	Total/NA
Sodium	168		165	15.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	9.4		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	7.6		2.4	0.75	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-108 (0-1)(07272021)

Lab Sample ID: 480-187683-9

No Detections.

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-122 (0-0.1)(07272021)

Lab Sample ID: 480-187683-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.40	J	4.7	0.36	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	1.8	J	4.7	1.0	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Di-n-butyl phthalate	85	J B	200	33	ug/Kg	1	✳	8270D	Total/NA
Endrin ketone	0.54	J B	1.9	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.57	J B	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	6540		11.4	5.0	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.2		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	13.1		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.38		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.034	J	0.23	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	179000		114	7.5	mg/Kg	2	✳	6010C	Total/NA
Chromium	7.0		0.57	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.8		0.57	0.057	mg/Kg	1	✳	6010C	Total/NA
Copper	7.1		2.3	0.48	mg/Kg	2	✳	6010C	Total/NA
Iron	11200	B	11.4	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	18.4		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	27500		22.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	257	B	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.0		5.7	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	3440		34.2	22.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	151	J	160	14.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	8.3		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	6.3		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	3.4	J	17	2.8	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.20	J	3.4	0.17	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.56	J	3.4	0.25	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	1.1	J	3.4	0.74	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-126 (0-0.25)(07272021)

Lab Sample ID: 480-187683-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.7	J	25	4.1	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.29	J	4.9	0.24	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.87	J	4.9	0.37	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	1.8	J	4.9	1.1	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-108 (2-2.6)(07272021)

Lab Sample ID: 480-187683-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.25	J	0.55	0.18	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.038	J	0.22	0.020	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.77	TL	0.22	0.018	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.028	J	0.22	0.027	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.049	J	0.22	0.022	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	33000		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-118 (1.0-1.25)(07262021)

Lab Sample ID: 480-187683-1

Date Collected: 07/26/21 09:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 96.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U HT	4.1	0.30	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,1,2,2-Tetrachloroethane	4.1	U HT	4.1	0.66	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U HT	4.1	0.93	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,1,2-Trichloroethane	4.1	U HT	4.1	0.53	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,1-Dichloroethane	4.1	U HT	4.1	0.50	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,1-Dichloroethene	4.1	U HT	4.1	0.50	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2,4-Trichlorobenzene	4.1	U HT	4.1	0.25	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2-Dibromo-3-Chloropropane	4.1	U HT	4.1	2.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2-Dibromoethane	4.1	U HT	4.1	0.53	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2-Dichlorobenzene	4.1	U HT	4.1	0.32	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2-Dichloroethane	4.1	U HT	4.1	0.21	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,2-Dichloropropane	4.1	U HT	4.1	2.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,3-Dichlorobenzene	4.1	U HT	4.1	0.21	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
1,4-Dichlorobenzene	4.1	U HT	4.1	0.57	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
2-Butanone (MEK)	20	U HT	20	1.5	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
2-Hexanone	20	U HT	20	2.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
4-Methyl-2-pentanone (MIBK)	20	U HT	20	1.3	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Acetone	4.1	J HT	20	3.4	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Benzene	4.1	U HT	4.1	0.20	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Bromodichloromethane	4.1	U HT	4.1	0.55	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Bromoform	4.1	U HT	4.1	2.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Bromomethane	4.1	U HT	4.1	0.37	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Carbon disulfide	4.1	U HT	4.1	2.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Carbon tetrachloride	4.1	U HT	4.1	0.40	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Chlorobenzene	4.1	U HT	4.1	0.54	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Chloroethane	4.1	U HT TH	4.1	0.92	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Chloroform	4.1	U HT	4.1	0.25	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Chloromethane	4.1	U HT TH	4.1	0.25	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
cis-1,2-Dichloroethene	4.1	U HT	4.1	0.52	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
cis-1,3-Dichloropropene	4.1	U HT	4.1	0.59	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Cyclohexane	4.1	U HT	4.1	0.57	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Dibromochloromethane	4.1	U HT	4.1	0.52	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Dichlorodifluoromethane	4.1	U HT	4.1	0.34	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Ethylbenzene	4.1	U HT	4.1	0.28	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Isopropylbenzene	4.1	U HT	4.1	0.62	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Methyl acetate	20	U HT	20	2.5	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Methyl tert-butyl ether	4.1	U HT	4.1	0.40	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Methylcyclohexane	4.1	U HT	4.1	0.62	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Methylene Chloride	4.1	U HT	4.1	1.9	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Styrene	4.1	U HT	4.1	0.20	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Tetrachloroethene	4.1	U HT	4.1	0.55	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Toluene	0.34	J HT	4.1	0.31	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
trans-1,2-Dichloroethene	4.1	U HT	4.1	0.42	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
trans-1,3-Dichloropropene	4.1	U HT	4.1	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Trichloroethene	4.1	U HT	4.1	0.90	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Trichlorofluoromethane	4.1	U HT	4.1	0.39	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Vinyl chloride	4.1	U HT TH	4.1	0.50	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1
Xylenes, Total	8.2	U HT	8.2	0.69	ug/Kg	✱	07/28/21 10:30	08/02/21 02:07	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-118 (1.0-1.25)(07262021)

Lab Sample ID: 480-187683-1

Date Collected: 07/26/21 09:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 96.9

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	4.2	THTJ	ug/Kg	☼	8.53		07/28/21 10:30	08/02/21 02:07	1
Decane	5.4	THTJN	ug/Kg	☼	9.91	124-18-5	07/28/21 10:30	08/02/21 02:07	1
Unknown	4.3	THTJ	ug/Kg	☼	11.00		07/28/21 10:30	08/02/21 02:07	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	123		64 - 126				07/28/21 10:30	08/02/21 02:07	1
4-Bromofluorobenzene (Surr)	96		72 - 126				07/28/21 10:30	08/02/21 02:07	1
Dibromofluoromethane (Surr)	105		60 - 140				07/28/21 10:30	08/02/21 02:07	1
Toluene-d8 (Surr)	93		71 - 125				07/28/21 10:30	08/02/21 02:07	1

Client Sample ID: B-21-111 (0.0-0.1)(07262021)

Lab Sample ID: 480-187683-2

Date Collected: 07/26/21 10:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.2

Method: 8260C - Volatile Organic Compounds by GC/MS

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.71	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	0.99	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,1,2-Trichloroethane	4.4	U	4.4	0.57	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,1-Dichloroethane	4.4	U	4.4	0.53	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,1-Dichloroethene	4.4	U	4.4	0.53	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2-Dibromoethane	4.4	U	4.4	0.56	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2-Dichlorobenzene	4.4	U	4.4	0.34	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,3-Dichlorobenzene	4.4	U	4.4	0.22	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
1,4-Dichlorobenzene	4.4	U	4.4	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Acetone	22	U	22	3.7	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Benzene	4.4	U	4.4	0.21	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Bromodichloromethane	4.4	U	4.4	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Bromomethane	4.4	U	4.4	0.39	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Carbon tetrachloride	4.4	U	4.4	0.42	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Chlorobenzene	4.4	U	4.4	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Chloroethane	4.4	U TH	4.4	0.98	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Chloromethane	4.4	U TH	4.4	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.56	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Cyclohexane	4.4	U	4.4	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Dibromochloromethane	4.4	U	4.4	0.56	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Dichlorodifluoromethane	4.4	U	4.4	0.36	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Ethylbenzene	4.4	U	4.4	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Isopropylbenzene	4.4	U	4.4	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-111 (0.0-0.1)(07262021)

Lab Sample ID: 480-187683-2

Date Collected: 07/26/21 10:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Methyl tert-butyl ether	4.4	U	4.4	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Methylcyclohexane	4.4	U	4.4	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Methylene Chloride	4.4	U	4.4	2.0	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Tetrachloroethene	4.4	U	4.4	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Toluene	4.4	U	4.4	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.45	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
trans-1,3-Dichloropropene	4.4	U	4.4	1.9	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Trichloroethene	4.4	U	4.4	0.96	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Trichlorofluoromethane	4.4	U	4.4	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Vinyl chloride	4.4	U TH	4.4	0.53	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1
Xylenes, Total	8.7	U	8.7	0.73	ug/Kg	☼	07/28/21 10:30	08/02/21 02:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 02:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	07/28/21 10:30	08/02/21 02:31	1
4-Bromofluorobenzene (Surr)	97		72 - 126	07/28/21 10:30	08/02/21 02:31	1
Dibromofluoromethane (Surr)	106		60 - 140	07/28/21 10:30	08/02/21 02:31	1
Toluene-d8 (Surr)	93		71 - 125	07/28/21 10:30	08/02/21 02:31	1

Client Sample ID: B-21-125 (0-2)(07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
1,4-Dioxane	110	U	110	61	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4-Dinitrophenol	1800	U	1800	870	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Chlorophenol	360	U	360	34	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Nitroaniline	360	U	360	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
2-Nitrophenol	190	U	190	53	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
3-Nitroaniline	360	U	360	52	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (0-2))07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	190	U	190	46	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Methylphenol	360	U	360	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Nitroaniline	360	U	360	98	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
4-Nitrophenol	360	U	360	130	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Acenaphthene	190	U	190	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Acenaphthylene	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Acetophenone	190	U	190	25	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Anthracene	190	U	190	46	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Atrazine	190	U	190	65	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Biphenyl	190	U	190	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Caprolactam	190	U	190	56	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Carbazole	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Chrysene	190	U	190	42	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Diethyl phthalate	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Di-n-butyl phthalate	150	J B	190	32	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Fluoranthene	190	U	190	20	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Fluorene	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Isophorone	190	U	190	40	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Naphthalene	190	U	190	24	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Phenanthrene	190	U	190	28	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Phenol	190	U	190	29	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1
Pyrene	190	U	190	22	ug/Kg	☼	07/29/21 08:49	07/30/21 17:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	520	T J	ug/Kg	☼	1.73		07/29/21 08:49	07/30/21 17:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (0-2)07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3900	T J	ug/Kg	☼	1.86		07/29/21 08:49	07/30/21 17:37	1
Unknown	310	T J	ug/Kg	☼	3.22		07/29/21 08:49	07/30/21 17:37	1
Ethane, 1,1,2,2-tetrachloro-	160	T J N	ug/Kg	☼	4.38	79-34-5	07/29/21 08:49	07/30/21 17:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	81		54 - 120	07/29/21 08:49	07/30/21 17:37	1
2-Fluorobiphenyl (Surr)	77		60 - 120	07/29/21 08:49	07/30/21 17:37	1
2-Fluorophenol (Surr)	70		52 - 120	07/29/21 08:49	07/30/21 17:37	1
Nitrobenzene-d5 (Surr)	70		53 - 120	07/29/21 08:49	07/30/21 17:37	1
Phenol-d5 (Surr)	78		54 - 120	07/29/21 08:49	07/30/21 17:37	1
p-Terphenyl-d14 (Surr)	91		79 - 130	07/29/21 08:49	07/30/21 17:37	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
4,4'-DDT	1.9	U	1.9	0.43	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Aldrin	1.9	U	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
alpha-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
beta-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
cis-Chlordane	1.9	U	1.9	0.92	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
delta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Dieldrin	1.9	U	1.9	0.44	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endosulfan I	1.9	U	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endosulfan II	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endosulfan sulfate	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endrin aldehyde	1.9	U	1.9	0.47	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Endrin ketone	0.57	J B	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
gamma-BHC (Lindane)	0.54	J B	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Heptachlor	1.9	U	1.9	0.40	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1
trans-Chlordane	1.9	U	1.9	0.59	ug/Kg	☼	08/02/21 07:53	08/03/21 12:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		45 - 120	08/02/21 07:53	08/03/21 12:57	1
DCB Decachlorobiphenyl	102		45 - 120	08/02/21 07:53	08/03/21 12:57	1
Tetrachloro-m-xylene	106		30 - 124	08/02/21 07:53	08/03/21 12:57	1
Tetrachloro-m-xylene	83		30 - 124	08/02/21 07:53	08/03/21 12:57	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.040	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
PCB-1221	0.20	U	0.20	0.040	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
PCB-1232	0.20	U	0.20	0.040	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
PCB-1242	0.20	U	0.20	0.040	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
PCB-1248	0.20	U	0.20	0.040	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
PCB-1254	0.20	U	0.20	0.096	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (0-2))07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	0.20	U	0.20	0.096	mg/Kg	☼	07/29/21 08:05	07/29/21 19:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154				07/29/21 08:05	07/29/21 19:37	1
Tetrachloro-m-xylene	121		60 - 154				07/29/21 08:05	07/29/21 19:37	1
DCB Decachlorobiphenyl	111		65 - 174				07/29/21 08:05	07/29/21 19:37	1
DCB Decachlorobiphenyl	121		65 - 174				07/29/21 08:05	07/29/21 19:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	08/02/21 08:26	08/05/21 20:34	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	☼	08/02/21 08:26	08/05/21 20:34	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		28 - 129				08/02/21 08:26	08/05/21 20:34	1
2,4-Dichlorophenylacetic acid	76		28 - 129				08/02/21 08:26	08/05/21 20:34	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7930		11.2	4.9	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Antimony	16.8	U	16.8	0.45	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Arsenic	5.8		2.2	0.45	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Barium	18.8		0.56	0.12	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Beryllium	0.48		0.22	0.031	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Cadmium	0.046	J	0.22	0.034	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Calcium	159000		112	7.4	mg/Kg	☼	07/30/21 13:36	08/04/21 17:00	2
Chromium	8.6		0.56	0.22	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Cobalt	5.6		0.56	0.056	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Copper	8.4		2.2	0.47	mg/Kg	☼	07/30/21 13:36	08/04/21 17:00	2
Iron	12400	B	11.2	3.9	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Lead	20.6		1.1	0.27	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Magnesium	22000		22.5	1.0	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Manganese	273	B	0.22	0.036	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Nickel	12.8		5.6	0.26	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Potassium	3920		33.7	22.5	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Silver	0.67	U	0.67	0.22	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Sodium	166		157	14.6	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Thallium	6.7	U	6.7	0.34	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Vanadium	10.2		0.56	0.12	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1
Zinc	8.1		2.2	0.72	mg/Kg	☼	07/30/21 13:36	08/03/21 23:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0066	J	0.020	0.0045	mg/Kg	☼	08/02/21 13:48	08/02/21 15:23	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (4-5)(07262021)

Lab Sample ID: 480-187683-4

Date Collected: 07/26/21 13:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.6	U	3.6	0.26	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,1,2,2-Tetrachloroethane	3.6	U	3.6	0.58	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	U	3.6	0.82	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,1,2-Trichloroethane	3.6	U	3.6	0.47	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,1-Dichloroethane	3.6	U	3.6	0.44	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,1-Dichloroethene	3.6	U	3.6	0.44	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2,4-Trichlorobenzene	3.6	U	3.6	0.22	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2-Dibromo-3-Chloropropane	3.6	U	3.6	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2-Dibromoethane	3.6	U	3.6	0.46	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2-Dichlorobenzene	3.6	U	3.6	0.28	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2-Dichloroethane	3.6	U	3.6	0.18	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,2-Dichloropropane	3.6	U	3.6	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,3-Dichlorobenzene	3.6	U	3.6	0.19	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
1,4-Dichlorobenzene	3.6	U	3.6	0.50	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
2-Butanone (MEK)	18	U	18	1.3	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
2-Hexanone	18	U	18	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
4-Methyl-2-pentanone (MIBK)	18	U	18	1.2	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Acetone	18	U	18	3.0	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Benzene	3.6	U	3.6	0.18	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Bromodichloromethane	3.6	U	3.6	0.48	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Bromoform	3.6	U	3.6	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Bromomethane	3.6	U	3.6	0.32	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Carbon disulfide	3.6	U	3.6	1.8	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Carbon tetrachloride	3.6	U	3.6	0.35	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Chlorobenzene	3.6	U	3.6	0.48	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Chloroethane	3.6	U TH	3.6	0.81	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Chloroform	3.6	U	3.6	0.22	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Chloromethane	3.6	U TH	3.6	0.22	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
cis-1,2-Dichloroethene	3.6	U	3.6	0.46	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
cis-1,3-Dichloropropene	3.6	U	3.6	0.52	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Cyclohexane	3.6	U	3.6	0.50	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Dibromochloromethane	3.6	U	3.6	0.46	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Dichlorodifluoromethane	3.6	U	3.6	0.30	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Ethylbenzene	3.6	U	3.6	0.25	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Isopropylbenzene	3.6	U	3.6	0.54	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Methyl acetate	18	U	18	2.2	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Methyl tert-butyl ether	3.6	U	3.6	0.35	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Methylcyclohexane	3.6	U	3.6	0.55	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Methylene Chloride	3.6	U	3.6	1.7	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Styrene	3.6	U	3.6	0.18	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Tetrachloroethene	3.6	U	3.6	0.48	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Toluene	3.6	U	3.6	0.27	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
trans-1,2-Dichloroethene	3.6	U	3.6	0.37	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
trans-1,3-Dichloropropene	3.6	U	3.6	1.6	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Trichloroethene	3.6	U	3.6	0.79	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Trichlorofluoromethane	3.6	U	3.6	0.34	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Vinyl chloride	3.6	U TH	3.6	0.44	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1
Xylenes, Total	7.2	U	7.2	0.61	ug/Kg	✱	07/28/21 10:30	08/02/21 02:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (4-5)(07262021)

Lab Sample ID: 480-187683-4

Date Collected: 07/26/21 13:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 91.4

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>07/28/21 10:30</i>	<i>08/02/21 02:55</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	122		64 - 126				<i>07/28/21 10:30</i>	<i>08/02/21 02:55</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	91		72 - 126				<i>07/28/21 10:30</i>	<i>08/02/21 02:55</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	106		60 - 140				<i>07/28/21 10:30</i>	<i>08/02/21 02:55</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	95		71 - 125				<i>07/28/21 10:30</i>	<i>08/02/21 02:55</i>	<i>1</i>

Client Sample ID: B-21-124 (6-7)(07262021)

Lab Sample ID: 480-187683-5

Date Collected: 07/26/21 15:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.80	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,2-Dichloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
2-Butanone (MEK)	4.7	J	25	1.8	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Acetone	24	J	25	4.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Bromoform	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Carbon disulfide	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Chloromethane	4.9	U TH	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.71	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Cyclohexane	4.9	U	4.9	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (6-7)(07262021)

Lab Sample ID: 480-187683-5

Date Collected: 07/26/21 15:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.9	U	4.9	0.75	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Methylene Chloride	4.9	U	4.9	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Styrene	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Vinyl chloride	4.9	U TH	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	07/28/21 10:30	08/02/21 03:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 03:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		64 - 126	07/28/21 10:30	08/02/21 03:20	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/28/21 10:30	08/02/21 03:20	1
Dibromofluoromethane (Surr)	107		60 - 140	07/28/21 10:30	08/02/21 03:20	1
Toluene-d8 (Surr)	95		71 - 125	07/28/21 10:30	08/02/21 03:20	1

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
1,4-Dioxane	120	U	120	63	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
2-Nitrophenol	200	U	200	55	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Chloro-3-methylphenol	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Chloroaniline	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Acenaphthene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Acetophenone	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Anthracene	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Atrazine	200	U	200	68	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Biphenyl	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Bis(2-chloroethoxy)methane	200	U	200	41	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Caprolactam	200	U	200	59	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Carbazole	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Chrysene	200	U	200	44	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Di-n-butyl phthalate	140	J B	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Fluorene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Hexachlorobenzene	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Hexachlorocyclopentadiene	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Isophorone	200	U	200	41	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Naphthalene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Phenol	200	U	200	30	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1
Pyrene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	350	T J	ug/Kg	☼	3.20		07/29/21 08:49	07/30/21 18:02	1
Ethane, 1,1,2,2-tetrachloro-	270	T J N	ug/Kg	☼	4.37	79-34-5	07/29/21 08:49	07/30/21 18:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	07/29/21 08:49	07/30/21 18:02	1
2-Fluorobiphenyl (Surr)	93		60 - 120	07/29/21 08:49	07/30/21 18:02	1
2-Fluorophenol (Surr)	80		52 - 120	07/29/21 08:49	07/30/21 18:02	1
Nitrobenzene-d5 (Surr)	84		53 - 120	07/29/21 08:49	07/30/21 18:02	1
Phenol-d5 (Surr)	88		54 - 120	07/29/21 08:49	07/30/21 18:02	1
p-Terphenyl-d14 (Surr)	102		79 - 130	07/29/21 08:49	07/30/21 18:02	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endrin aldehyde	0.72	J B	1.9	0.49	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Endrin ketone	0.77	J B	1.9	0.47	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
gamma-BHC (Lindane)	0.49	J B	1.9	0.35	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	✱	08/02/21 07:53	08/03/21 13:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		45 - 120	08/02/21 07:53	08/03/21 13:17	1
DCB Decachlorobiphenyl	99		45 - 120	08/02/21 07:53	08/03/21 13:17	1
Tetrachloro-m-xylene	108		30 - 124	08/02/21 07:53	08/03/21 13:17	1
Tetrachloro-m-xylene	82		30 - 124	08/02/21 07:53	08/03/21 13:17	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	✱	07/29/21 08:05	07/29/21 19:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		60 - 154	07/29/21 08:05	07/29/21 19:50	1
Tetrachloro-m-xylene	109		60 - 154	07/29/21 08:05	07/29/21 19:50	1
DCB Decachlorobiphenyl	102		65 - 174	07/29/21 08:05	07/29/21 19:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	109		65 - 174	07/29/21 08:05	07/29/21 19:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☆	08/02/21 08:26	08/05/21 21:04	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☆	08/02/21 08:26	08/05/21 21:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	76		28 - 129	08/02/21 08:26	08/05/21 21:04	1
2,4-Dichlorophenylacetic acid	74		28 - 129	08/02/21 08:26	08/05/21 21:04	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8350		11.2	4.9	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Antimony	16.8	U	16.8	0.45	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Arsenic	7.2		2.2	0.45	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Barium	16.1		0.56	0.12	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Beryllium	0.54		0.22	0.031	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Cadmium	0.046	J	0.22	0.034	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Calcium	114000		112	7.4	mg/Kg	☆	07/30/21 13:36	08/04/21 17:03	2
Chromium	9.0		0.56	0.22	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Cobalt	8.0		0.56	0.056	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Copper	10.4		2.2	0.47	mg/Kg	☆	07/30/21 13:36	08/04/21 17:03	2
Iron	16000	B	11.2	3.9	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Lead	24.3		1.1	0.27	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Magnesium	15300		22.4	1.0	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Manganese	289	B	0.22	0.036	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Nickel	17.3		5.6	0.26	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Potassium	3790		33.6	22.4	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Selenium	4.5	U	4.5	0.45	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Silver	0.67	U	0.67	0.22	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Sodium	145	J	157	14.6	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Thallium	6.7	U	6.7	0.34	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Vanadium	10.5		0.56	0.12	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1
Zinc	9.6		2.2	0.72	mg/Kg	☆	07/30/21 13:36	08/03/21 23:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0047	mg/Kg	☆	08/02/21 13:48	08/02/21 15:25	1

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

Date Collected: 07/26/21 16:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 84.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.37	ug/Kg	☆	07/28/21 10:30	08/02/21 03:44	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.82	ug/Kg	☆	07/28/21 10:30	08/02/21 03:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☆	07/28/21 10:30	08/02/21 03:44	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☆	07/28/21 10:30	08/02/21 03:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

Date Collected: 07/26/21 16:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 84.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,1-Dichloroethene	5.0	U	5.0	0.62	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.31	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2-Dibromoethane	5.0	U	5.0	0.65	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Acetone	25	U	25	4.2	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Benzene	5.0	U	5.0	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Carbon tetrachloride	5.0	U	5.0	0.49	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Chloroethane	5.0	U TH	5.0	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Chloromethane	5.0	U TH	5.0	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Dichlorodifluoromethane	5.0	U	5.0	0.42	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Isopropylbenzene	5.0	U	5.0	0.76	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Tetrachloroethene	5.0	U	5.0	0.68	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Trichlorofluoromethane	5.0	U	5.0	0.48	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Vinyl chloride	5.0	U TH	5.0	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1
Xylenes, Total	10	U	10	0.85	ug/Kg	☼	07/28/21 10:30	08/02/21 03:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 03:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		64 - 126	07/28/21 10:30	08/02/21 03:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

Date Collected: 07/26/21 16:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 84.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 126	07/28/21 10:30	08/02/21 03:44	1
Dibromofluoromethane (Surr)	109		60 - 140	07/28/21 10:30	08/02/21 03:44	1
Toluene-d8 (Surr)	93		71 - 125	07/28/21 10:30	08/02/21 03:44	1

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
1,4-Dioxane	120	U	120	64	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Chlorophenol	380	U	380	36	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Methylphenol	200	U	200	23	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Nitroaniline	380	U	380	29	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
2-Nitrophenol	200	U	200	55	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
3-Nitroaniline	380	U	380	54	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Chloroaniline	200	U	200	49	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Methylphenol	380	U	380	23	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Nitroaniline	380	U	380	100	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
4-Nitrophenol	380	U	380	140	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Acenaphthene	200	U	200	29	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Acenaphthylene	200	U	200	25	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Acetophenone	200	U	200	27	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Anthracene	200	U	200	49	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Atrazine	200	U	200	68	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzaldehyde	200	U	200	160	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
Biphenyl	200	U	200	29	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	✱	07/29/21 08:49	07/30/21 18:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Caprolactam	200	U	200	59	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Carbazole	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Chrysene	200	U	200	44	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Di-n-butyl phthalate	190	J B	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Di-n-octyl phthalate	53	J	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Fluorene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Isophorone	200	U	200	42	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Naphthalene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Phenol	200	U	200	30	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1
Pyrene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:26	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4400	T J	ug/Kg	☼	1.85		07/29/21 08:49	07/30/21 18:26	1
Unknown	310	T J	ug/Kg	☼	3.21		07/29/21 08:49	07/30/21 18:26	1
Ethane, 1,1,2,2-tetrachloro-	250	T J N	ug/Kg	☼	4.37	79-34-5	07/29/21 08:49	07/30/21 18:26	1
Erucylamide	250	T J N	ug/Kg	☼	13.78	112-84-5	07/29/21 08:49	07/30/21 18:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	80		54 - 120	07/29/21 08:49	07/30/21 18:26	1
2-Fluorobiphenyl (Surr)	79		60 - 120	07/29/21 08:49	07/30/21 18:26	1
2-Fluorophenol (Surr)	71		52 - 120	07/29/21 08:49	07/30/21 18:26	1
Nitrobenzene-d5 (Surr)	71		53 - 120	07/29/21 08:49	07/30/21 18:26	1
Phenol-d5 (Surr)	77		54 - 120	07/29/21 08:49	07/30/21 18:26	1
p-Terphenyl-d14 (Surr)	88		79 - 130	07/29/21 08:49	07/30/21 18:26	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 13:36	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/02/21 07:53	08/03/21 13:36	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 13:36	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/02/21 07:53	08/03/21 13:36	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Endrin ketone	0.56	J B	1.9	0.47	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	✱	08/02/21 07:53	08/03/21 13:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		45 - 120	08/02/21 07:53	08/03/21 13:36	1
DCB Decachlorobiphenyl	101		45 - 120	08/02/21 07:53	08/03/21 13:36	1
Tetrachloro-m-xylene	109		30 - 124	08/02/21 07:53	08/03/21 13:36	1
Tetrachloro-m-xylene	84		30 - 124	08/02/21 07:53	08/03/21 13:36	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	✱	07/29/21 08:05	07/29/21 20:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	120		60 - 154	07/29/21 08:05	07/29/21 20:03	1
Tetrachloro-m-xylene	128		60 - 154	07/29/21 08:05	07/29/21 20:03	1
DCB Decachlorobiphenyl	118		65 - 174	07/29/21 08:05	07/29/21 20:03	1
DCB Decachlorobiphenyl	129		65 - 174	07/29/21 08:05	07/29/21 20:03	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	08/02/21 08:26	08/05/21 21:34	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	✱	08/02/21 08:26	08/05/21 21:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	58		28 - 129	08/02/21 08:26	08/05/21 21:34	1
2,4-Dichlorophenylacetic acid	81		28 - 129	08/02/21 08:26	08/05/21 21:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7510		11.8	5.2	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Antimony	17.7	U	17.7	0.47	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Arsenic	5.2		2.4	0.47	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Barium	20.2		0.59	0.13	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Beryllium	0.46		0.24	0.033	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Cadmium	0.24	U	0.24	0.035	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Calcium	176000		118	7.8	mg/Kg	☼	07/30/21 13:36	08/04/21 17:07	2
Chromium	8.1		0.59	0.24	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Cobalt	5.9		0.59	0.059	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Copper	7.7		2.4	0.49	mg/Kg	☼	07/30/21 13:36	08/04/21 17:07	2
Iron	12200	B	11.8	4.1	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Lead	17.6		1.2	0.28	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Magnesium	21600		23.6	1.1	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Manganese	257	B	0.24	0.038	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Nickel	12.3		5.9	0.27	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Potassium	3770		35.3	23.6	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Sodium	168		165	15.3	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Thallium	7.1	U	7.1	0.35	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Vanadium	9.4		0.59	0.13	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1
Zinc	7.6		2.4	0.75	mg/Kg	☼	07/30/21 13:36	08/03/21 23:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.026	U	0.026	0.0061	mg/Kg	☼	08/02/21 13:48	08/02/21 15:26	1

Client Sample ID: B-21-108 (0-1)(07272021)

Lab Sample ID: 480-187683-9

Date Collected: 07/27/21 08:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.31	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.96	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,1,2-Trichloroethane	4.2	U	4.2	0.55	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,1-Dichloroethane	4.2	U	4.2	0.52	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,1-Dichloroethene	4.2	U	4.2	0.52	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2-Dibromoethane	4.2	U	4.2	0.54	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,3-Dichlorobenzene	4.2	U	4.2	0.22	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
1,4-Dichlorobenzene	4.2	U	4.2	0.59	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-108 (0-1)(07272021)

Lab Sample ID: 480-187683-9

Date Collected: 07/27/21 08:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21	U	21	3.6	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Benzene	4.2	U	4.2	0.21	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Bromodichloromethane	4.2	U	4.2	0.57	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Bromomethane	4.2	U	4.2	0.38	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Carbon tetrachloride	4.2	U	4.2	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Chlorobenzene	4.2	U	4.2	0.56	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Chloroethane	4.2	U TH	4.2	0.96	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Chloromethane	4.2	U TH	4.2	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.54	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Cyclohexane	4.2	U	4.2	0.59	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Dibromochloromethane	4.2	U	4.2	0.54	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Dichlorodifluoromethane	4.2	U	4.2	0.35	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Isopropylbenzene	4.2	U	4.2	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Methyl tert-butyl ether	4.2	U	4.2	0.42	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Methylcyclohexane	4.2	U	4.2	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Tetrachloroethene	4.2	U	4.2	0.57	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Toluene	4.2	U	4.2	0.32	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.9	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Trichloroethene	4.2	U	4.2	0.93	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Trichlorofluoromethane	4.2	U	4.2	0.40	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Vinyl chloride	4.2	U TH	4.2	0.52	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1
Xylenes, Total	8.5	U	8.5	0.71	ug/Kg	☼	07/28/21 10:30	08/02/21 04:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 04:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		64 - 126	07/28/21 10:30	08/02/21 04:08	1
4-Bromofluorobenzene (Surr)	92		72 - 126	07/28/21 10:30	08/02/21 04:08	1
Dibromofluoromethane (Surr)	108		60 - 140	07/28/21 10:30	08/02/21 04:08	1
Toluene-d8 (Surr)	94		71 - 125	07/28/21 10:30	08/02/21 04:08	1

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

Date Collected: 07/27/21 08:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.73	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

Date Collected: 07/27/21 08:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Acetone	23	U	23	3.8	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Cyclohexane	4.5	U	4.5	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Vinyl chloride	4.5	U TH	4.5	0.55	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	07/28/21 10:30	08/02/21 04:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 04:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

Date Collected: 07/27/21 08:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 90.6

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	124		64 - 126	07/28/21 10:30	08/02/21 04:33	1
4-Bromofluorobenzene (Surr)	98		72 - 126	07/28/21 10:30	08/02/21 04:33	1
Dibromofluoromethane (Surr)	107		60 - 140	07/28/21 10:30	08/02/21 04:33	1
Toluene-d8 (Surr)	94		71 - 125	07/28/21 10:30	08/02/21 04:33	1

Client Sample ID: B-21-122 (0-0.1)(07272021)

Lab Sample ID: 480-187683-11

Date Collected: 07/27/21 10:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,1,2-Trichloroethane	4.7	U	4.7	0.62	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Acetone	24	U	24	4.0	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Bromomethane	4.7	U	4.7	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Chloromethane	4.7	U TH	4.7	0.29	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Dibromochloromethane	4.7	U	4.7	0.61	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-122 (0-0.1)(07272021)

Lab Sample ID: 480-187683-11

Date Collected: 07/27/21 10:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Tetrachloroethene	4.7	U	4.7	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Toluene	0.40	J	4.7	0.36	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Trichloroethene	1.8	J	4.7	1.0	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Vinyl chloride	4.7	U TH	4.7	0.58	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	07/28/21 10:30	08/02/21 12:04	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 12:04	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	07/28/21 10:30	08/02/21 12:04	1
4-Bromofluorobenzene (Surr)	90		72 - 126	07/28/21 10:30	08/02/21 12:04	1
Dibromofluoromethane (Surr)	105		60 - 140	07/28/21 10:30	08/02/21 12:04	1
Toluene-d8 (Surr)	95		71 - 125	07/28/21 10:30	08/02/21 12:04	1

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
1,4-Dioxane	120	U	120	63	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
2-Nitrophenol	200	U	200	55	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Chloro-3-methylphenol	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Chloroaniline	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	380	U	380	140	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Acenaphthene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Acetophenone	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Anthracene	200	U	200	48	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Atrazine	200	U	200	68	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Biphenyl	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Bis(2-chloroethoxy)methane	200	U	200	41	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Caprolactam	200	U	200	59	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Carbazole	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Chrysene	200	U	200	44	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Di-n-butyl phthalate	85	J B	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Fluoranthene	200	U	200	21	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Fluorene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Hexachlorobenzene	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Hexachlorocyclopentadiene	200	U	200	26	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Isophorone	200	U	200	41	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Naphthalene	200	U	200	25	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Phenanthrene	200	U	200	29	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Phenol	200	U	200	30	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1
Pyrene	200	U	200	23	ug/Kg	☼	07/29/21 08:49	07/30/21 18:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	210	T J	ug/Kg	☼	1.67		07/29/21 08:49	07/30/21 18:50	1
Unknown	4300	T J	ug/Kg	☼	1.87		07/29/21 08:49	07/30/21 18:50	1
Unknown	340	T J	ug/Kg	☼	3.23		07/29/21 08:49	07/30/21 18:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120	07/29/21 08:49	07/30/21 18:50	1
2-Fluorobiphenyl (Surr)	91		60 - 120	07/29/21 08:49	07/30/21 18:50	1
2-Fluorophenol (Surr)	82		52 - 120	07/29/21 08:49	07/30/21 18:50	1
Nitrobenzene-d5 (Surr)	83		53 - 120	07/29/21 08:49	07/30/21 18:50	1
Phenol-d5 (Surr)	89		54 - 120	07/29/21 08:49	07/30/21 18:50	1
p-Terphenyl-d14 (Surr)	102		79 - 130	07/29/21 08:49	07/30/21 18:50	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
beta-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Endrin ketone	0.54	J B	1.9	0.48	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
gamma-BHC (Lindane)	0.57	J B	1.9	0.36	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	✱	08/02/21 07:53	08/03/21 13:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	77		45 - 120	08/02/21 07:53	08/03/21 13:56	1
DCB Decachlorobiphenyl	99		45 - 120	08/02/21 07:53	08/03/21 13:56	1
Tetrachloro-m-xylene	98		30 - 124	08/02/21 07:53	08/03/21 13:56	1
Tetrachloro-m-xylene	81		30 - 124	08/02/21 07:53	08/03/21 13:56	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	✱	07/29/21 08:05	07/29/21 20:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	07/29/21 08:05	07/29/21 20:15	1
Tetrachloro-m-xylene	121		60 - 154	07/29/21 08:05	07/29/21 20:15	1
DCB Decachlorobiphenyl	110		65 - 174	07/29/21 08:05	07/29/21 20:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	116		65 - 174	07/29/21 08:05	07/29/21 20:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☆	08/02/21 08:26	08/05/21 22:03	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	☆	08/02/21 08:26	08/05/21 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	08/02/21 08:26	08/05/21 22:03	1
2,4-Dichlorophenylacetic acid	69		28 - 129	08/02/21 08:26	08/05/21 22:03	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6540		11.4	5.0	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Antimony	17.1	U	17.1	0.46	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Arsenic	5.2		2.3	0.46	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Barium	13.1		0.57	0.13	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Beryllium	0.38		0.23	0.032	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Cadmium	0.034	J	0.23	0.034	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Calcium	179000		114	7.5	mg/Kg	☆	07/30/21 13:36	08/04/21 17:22	2
Chromium	7.0		0.57	0.23	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Cobalt	4.8		0.57	0.057	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Copper	7.1		2.3	0.48	mg/Kg	☆	07/30/21 13:36	08/04/21 17:22	2
Iron	11200	B	11.4	4.0	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Lead	18.4		1.1	0.27	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Magnesium	27500		22.8	1.1	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Manganese	257	B	0.23	0.037	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Nickel	12.0		5.7	0.26	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Potassium	3440		34.2	22.8	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Silver	0.68	U	0.68	0.23	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Sodium	151	J	160	14.8	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Thallium	6.8	U	6.8	0.34	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Vanadium	8.3		0.57	0.13	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1
Zinc	6.3		2.3	0.73	mg/Kg	☆	07/30/21 13:36	08/03/21 23:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0051	mg/Kg	☆	08/02/21 13:48	08/02/21 15:27	1

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Date Collected: 07/27/21 12:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.4	U	3.4	0.24	ug/Kg	☆	07/28/21 10:30	08/02/21 12:29	1
1,1,2,2-Tetrachloroethane	3.4	U	3.4	0.55	ug/Kg	☆	07/28/21 10:30	08/02/21 12:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.4	U	3.4	0.77	ug/Kg	☆	07/28/21 10:30	08/02/21 12:29	1
1,1,2-Trichloroethane	3.4	U	3.4	0.44	ug/Kg	☆	07/28/21 10:30	08/02/21 12:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Date Collected: 07/27/21 12:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.4	U	3.4	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,1-Dichloroethene	3.4	U	3.4	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2,4-Trichlorobenzene	3.4	U	3.4	0.20	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2-Dibromo-3-Chloropropane	3.4	U	3.4	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2-Dibromoethane	3.4	U	3.4	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2-Dichlorobenzene	3.4	U	3.4	0.26	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2-Dichloroethane	3.4	U	3.4	0.17	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,2-Dichloropropane	3.4	U	3.4	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,3-Dichlorobenzene	3.4	U	3.4	0.17	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
1,4-Dichlorobenzene	3.4	U	3.4	0.47	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
2-Butanone (MEK)	17	U	17	1.2	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
2-Hexanone	17	U	17	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
4-Methyl-2-pentanone (MIBK)	17	U	17	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Acetone	3.4	J	17	2.8	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Benzene	0.20	J	3.4	0.17	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Bromodichloromethane	3.4	U	3.4	0.45	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Bromoform	3.4	U	3.4	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Bromomethane	3.4	U	3.4	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Carbon disulfide	3.4	U	3.4	1.7	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Carbon tetrachloride	3.4	U	3.4	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Chlorobenzene	3.4	U	3.4	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Chloroethane	3.4	U TH	3.4	0.76	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Chloroform	3.4	U	3.4	0.21	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Chloromethane	3.4	U TH	3.4	0.20	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
cis-1,2-Dichloroethene	3.4	U	3.4	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
cis-1,3-Dichloropropene	3.4	U	3.4	0.49	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Cyclohexane	3.4	U	3.4	0.47	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Dibromochloromethane	3.4	U	3.4	0.43	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Dichlorodifluoromethane	3.4	U	3.4	0.28	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Ethylbenzene	3.4	U	3.4	0.23	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Isopropylbenzene	3.4	U	3.4	0.51	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Methyl acetate	17	U	17	2.0	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Methyl tert-butyl ether	3.4	U	3.4	0.33	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Methylcyclohexane	3.4	U	3.4	0.51	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Methylene Chloride	3.4	U	3.4	1.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Styrene	3.4	U	3.4	0.17	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Tetrachloroethene	3.4	U	3.4	0.45	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Toluene	0.56	J	3.4	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
trans-1,2-Dichloroethene	3.4	U	3.4	0.35	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
trans-1,3-Dichloropropene	3.4	U	3.4	1.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Trichloroethene	1.1	J	3.4	0.74	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Trichlorofluoromethane	3.4	U	3.4	0.32	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Vinyl chloride	3.4	U TH	3.4	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1
Xylenes, Total	6.7	U	6.7	0.57	ug/Kg	☼	07/28/21 10:30	08/02/21 12:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 12:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	07/28/21 10:30	08/02/21 12:29	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Date Collected: 07/27/21 12:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 95.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	95		72 - 126	07/28/21 10:30	08/02/21 12:29	1
Dibromofluoromethane (Surr)	104		60 - 140	07/28/21 10:30	08/02/21 12:29	1
Toluene-d8 (Surr)	94		71 - 125	07/28/21 10:30	08/02/21 12:29	1

Client Sample ID: B-21-126 (0-0.25)(07272021)

Lab Sample ID: 480-187683-14

Date Collected: 07/27/21 14:30

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 97.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.80	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,2-Dichloropropane	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Acetone	4.7	J	25	4.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Benzene	0.29	J	4.9	0.24	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Bromoform	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Carbon disulfide	4.9	U	4.9	2.5	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Carbon tetrachloride	4.9	U	4.9	0.48	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Chloromethane	4.9	U TH	4.9	0.30	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.71	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Cyclohexane	4.9	U	4.9	0.69	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Dichlorodifluoromethane	4.9	U	4.9	0.41	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Methylcyclohexane	4.9	U	4.9	0.75	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Methylene Chloride	4.9	U	4.9	2.3	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-126 (0-0.25)(07272021)

Lab Sample ID: 480-187683-14

Date Collected: 07/27/21 14:30

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 97.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.9	U	4.9	0.25	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Toluene	0.87	J	4.9	0.37	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Trichloroethene	1.8	J	4.9	1.1	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Trichlorofluoromethane	4.9	U	4.9	0.47	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Vinyl chloride	4.9	U TH	4.9	0.60	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1
Xylenes, Total	9.8	U	9.8	0.83	ug/Kg	☼	07/28/21 10:30	08/02/21 12:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/28/21 10:30	08/02/21 12:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	07/28/21 10:30	08/02/21 12:53	1
4-Bromofluorobenzene (Surr)	94		72 - 126	07/28/21 10:30	08/02/21 12:53	1
Dibromofluoromethane (Surr)	104		60 - 140	07/28/21 10:30	08/02/21 12:53	1
Toluene-d8 (Surr)	95		71 - 125	07/28/21 10:30	08/02/21 12:53	1

Client Sample ID: B-21-108 (2-2.6)(07272021)

Lab Sample ID: 480-187683-15

Date Collected: 07/27/21 14:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.2

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.2	U	2.2	0.018	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.2	U	2.2	0.034	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.050	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.041	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.010	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorobutanoic acid (PFBA)	0.25	J	0.55	0.18	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.013	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.013	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.023	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.016	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.022	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.015	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.024	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorononanoic acid (PFNA)	0.038	J	0.22	0.020	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.019	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorooctanesulfonic acid (PFOS)	0.77	TL	0.22	0.018	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorooctanoic acid (PFOA)	0.028	J	0.22	0.027	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.043	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.025	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.016	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-108 (2-2.6)(07272021)

Lab Sample ID: 480-187683-15

Date Collected: 07/27/21 14:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.2

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	0.049	J	0.22	0.022	ug/Kg	☼	07/30/21 13:13	08/02/21 15:09	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	74		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C2 PFDoA	65		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C2 PFHxA	77		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C2 PFTeDA	70		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C2 PFUnA	73		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C3 PFBS	69		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C4 PFBA	78		25 - 150	07/30/21 13:13	08/02/21 15:09	1
13C4 PFHpA	75		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C4 PFOA	77		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C4 PFOS	64		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C5 PFNA	73		50 - 150	07/30/21 13:13	08/02/21 15:09	1
13C5 PFPeA	76		25 - 150	07/30/21 13:13	08/02/21 15:09	1
13C8 FOSA	67		25 - 150	07/30/21 13:13	08/02/21 15:09	1
18O2 PFHxS	63		50 - 150	07/30/21 13:13	08/02/21 15:09	1
d3-NMeFOSAA	66		50 - 150	07/30/21 13:13	08/02/21 15:09	1
d5-NEtFOSAA	71		50 - 150	07/30/21 13:13	08/02/21 15:09	1
M2-6:2 FTS	61		25 - 150	07/30/21 13:13	08/02/21 15:09	1
M2-8:2 FTS	65		25 - 150	07/30/21 13:13	08/02/21 15:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	33000		1000	671	mg/Kg			07/30/21 13:00	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187683-1	B-21-118 (1.0-1.25)(07262021)	123	96	105	93
480-187683-2	B-21-111 (0.0-0.1)(07262021)	120	97	106	93
480-187683-4	B-21-125 (4-5)(07262021)	122	91	106	95
480-187683-5	B-21-124 (6-7)(07262021)	123	91	107	95
480-187683-7	B-21-130 (1-2)(07262021)	123	95	109	93
480-187683-9	B-21-108 (0-1)(07272021)	123	92	108	94
480-187683-10	B-21-108 (1-2)(07272021)	124	98	107	94
480-187683-11	B-21-122 (0-0.1)(07272021)	115	90	105	95
480-187683-13	B-21-131 (4-4.15)(07272021)	116	95	104	94
480-187683-14	B-21-126 (0-0.25)(07272021)	118	94	104	95
LCS 480-591226/1-A	Lab Control Sample	110	95	101	95
LCS 480-591328/1-A	Lab Control Sample	104	92	99	98
MB 480-591226/2-A	Method Blank	104	92	98	94
MB 480-591328/2-A	Method Blank	111	91	103	96

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187683-3	B-21-125 (0-2)(07262021)	81	77	70	70	78	91
480-187683-6	B-21-124 (4-5)(07262021)	91	93	80	84	88	102
480-187683-8	B-21-130 (4-5)(07262021)	80	79	71	71	77	88
480-187683-12	B-21-131 (2-3)(07272021)	94	91	82	83	89	102
LCS 480-590875/2-A	Lab Control Sample	96	91	80	83	84	100
MB 480-590875/1-A	Method Blank	87	92	82	85	88	100

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187683-3	B-21-125 (0-2)(07262021)	83	102	106	83
480-187683-6	B-21-124 (4-5)(07262021)	83	99	108	82
480-187683-8	B-21-130 (4-5)(07262021)	95	101	109	84

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Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187683-12	B-21-131 (2-3)(07272021)	77	99	98	81
LCS 480-591257/2-A	Lab Control Sample	97	91	84	70
MB 480-591257/1-A	Method Blank	76	83	73	64

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187683-3	B-21-125 (0-2)(07262021)	114	121	111	121
480-187683-6	B-21-124 (4-5)(07262021)	105	109	102	109
480-187683-8	B-21-130 (4-5)(07262021)	120	128	118	129
480-187683-12	B-21-131 (2-3)(07272021)	114	121	110	116
LCS 480-590866/2-A	Lab Control Sample	129	141	130	140
MB 480-590866/1-A	Method Blank	110	120	110	117

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187683-3	B-21-125 (0-2)(07262021)	77	76
480-187683-6	B-21-124 (4-5)(07262021)	76	74
480-187683-8	B-21-130 (4-5)(07262021)	58	81
480-187683-12	B-21-131 (2-3)(07272021)	73	69
LCS 480-591265/2-A	Lab Control Sample	75	73
MB 480-591265/1-A	Method Blank	67	66

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187683-15	B-21-108 (2-2.6)(07272021)	74	65	77	70	73	69	78	75
480-187683-15 MS	B-21-108 (2-2.6)(07272021)	72	63	77	69	68	67	78	75
480-187683-15 MSD	B-21-108 (2-2.6)(07272021)	74	65	75	68	73	64	77	75
LCS 200-169667/2-A	Lab Control Sample	89	83	101	77	86	99	101	97
MB 200-169667/1-A	Method Blank	93	71	102	75	82	98	98	97

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187683-15	B-21-108 (2-2.6)(07272021)	77	64	73	76	67	63	66	71
480-187683-15 MS	B-21-108 (2-2.6)(07272021)	74	63	70	76	62	62	65	64
480-187683-15 MSD	B-21-108 (2-2.6)(07272021)	75	64	75	77	64	63	66	73
LCS 200-169667/2-A	Lab Control Sample	96	91	95	103	91	95	92	95
MB 200-169667/1-A	Method Blank	95	88	91	98	77	91	88	86

		Percent Isotope Dilution Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187683-15	B-21-108 (2-2.6)(07272021)	61	65
480-187683-15 MS	B-21-108 (2-2.6)(07272021)	59	56
480-187683-15 MSD	B-21-108 (2-2.6)(07272021)	60	62
LCS 200-169667/2-A	Lab Control Sample	102	94
MB 200-169667/1-A	Method Blank	101	97

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-591226/2-A

Matrix: Solid

Analysis Batch: 591228

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591226

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Acetone	25	U	25	4.2	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/01/21 16:32	08/01/21 20:00	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/01/21 16:32	08/01/21 20:00	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591226/2-A
Matrix: Solid
Analysis Batch: 591228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591226

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>08/01/21 16:32</i>	<i>08/01/21 20:00</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>104</i>		<i>64 - 126</i>	<i>08/01/21 16:32</i>	<i>08/01/21 20:00</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>92</i>		<i>72 - 126</i>	<i>08/01/21 16:32</i>	<i>08/01/21 20:00</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>98</i>		<i>60 - 140</i>	<i>08/01/21 16:32</i>	<i>08/01/21 20:00</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>94</i>		<i>71 - 125</i>	<i>08/01/21 16:32</i>	<i>08/01/21 20:00</i>	<i>1</i>

Lab Sample ID: LCS 480-591226/1-A
Matrix: Solid
Analysis Batch: 591228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591226

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	56.7		ug/Kg		113	77 - 121
1,1,2,2-Tetrachloroethane	50.0	54.2		ug/Kg		108	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.5		ug/Kg		99	60 - 140
1,1,2-Trichloroethane	50.0	52.5		ug/Kg		105	78 - 122
1,1-Dichloroethane	50.0	53.4		ug/Kg		107	73 - 126
1,1-Dichloroethene	50.0	52.2		ug/Kg		104	59 - 125
1,2,4-Trichlorobenzene	50.0	47.2		ug/Kg		94	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	59.4		ug/Kg		119	63 - 124
1,2-Dibromoethane	50.0	52.0		ug/Kg		104	78 - 120
1,2-Dichlorobenzene	50.0	49.7		ug/Kg		99	75 - 120
1,2-Dichloroethane	50.0	58.4		ug/Kg		117	77 - 122
1,2-Dichloropropane	50.0	49.8		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	52.0		ug/Kg		104	74 - 120
1,4-Dichlorobenzene	50.0	51.8		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	290		ug/Kg		116	70 - 134
2-Hexanone	250	305		ug/Kg		122	59 - 130
4-Methyl-2-pentanone (MIBK)	250	286		ug/Kg		114	65 - 133
Acetone	250	276		ug/Kg		111	61 - 137
Benzene	50.0	53.1		ug/Kg		106	79 - 127
Bromodichloromethane	50.0	60.1		ug/Kg		120	80 - 122
Bromoform	50.0	55.6		ug/Kg		111	68 - 126
Bromomethane	50.0	63.6		ug/Kg		127	37 - 149
Carbon disulfide	50.0	48.6		ug/Kg		97	64 - 131
Carbon tetrachloride	50.0	61.5		ug/Kg		123	75 - 135
Chlorobenzene	50.0	49.8		ug/Kg		100	76 - 124
Chloroethane	50.0	76.6	TH	ug/Kg		153	69 - 135
Chloroform	50.0	54.8		ug/Kg		110	80 - 120
Chloromethane	50.0	64.1	TH	ug/Kg		128	63 - 127
cis-1,2-Dichloroethene	50.0	52.0		ug/Kg		104	81 - 120
cis-1,3-Dichloropropene	50.0	55.5		ug/Kg		111	80 - 120
Cyclohexane	50.0	43.7		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	58.9		ug/Kg		118	76 - 125
Dichlorodifluoromethane	50.0	35.4		ug/Kg		71	57 - 142
Ethylbenzene	50.0	53.2		ug/Kg		106	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591226/1-A
Matrix: Solid
Analysis Batch: 591228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591226

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	52.4		ug/Kg		105	72 - 120
Methyl acetate	100	107		ug/Kg		107	55 - 136
Methyl tert-butyl ether	50.0	51.4		ug/Kg		103	63 - 125
Methylcyclohexane	50.0	50.3		ug/Kg		101	60 - 140
Methylene Chloride	50.0	53.8		ug/Kg		108	61 - 127
Styrene	50.0	50.9		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	49.5		ug/Kg		99	74 - 122
Toluene	50.0	50.9		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	54.5		ug/Kg		109	78 - 126
Trichloroethene	50.0	52.5		ug/Kg		105	77 - 129
Trichlorofluoromethane	50.0	54.0		ug/Kg		108	65 - 146
Vinyl chloride	50.0	72.3	TH	ug/Kg		145	61 - 133
Xylenes, Total	100	105		ug/Kg		105	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	110		64 - 126
4-Bromofluorobenzene (Surr)	95		72 - 126
Dibromofluoromethane (Surr)	101		60 - 140
Toluene-d8 (Surr)	95		71 - 125

Lab Sample ID: MB 480-591328/2-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591328

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Acetone	25	U	25	4.2	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591328/2-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591328

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/02/21 10:08	08/02/21 11:30	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/02/21 10:08	08/02/21 11:30	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	08/02/21 10:08	08/02/21 11:30	1
4-Bromofluorobenzene (Surr)	91		72 - 126	08/02/21 10:08	08/02/21 11:30	1
Dibromofluoromethane (Surr)	103		60 - 140	08/02/21 10:08	08/02/21 11:30	1
Toluene-d8 (Surr)	96		71 - 125	08/02/21 10:08	08/02/21 11:30	1

Lab Sample ID: LCS 480-591328/1-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591328

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	50.0	55.3		ug/Kg		111	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.0		ug/Kg		92	60 - 140
1,1,2-Trichloroethane	50.0	49.1		ug/Kg		98	78 - 122
1,1-Dichloroethane	50.0	53.8		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	50.2		ug/Kg		100	59 - 125
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591328/1-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	48.3		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	48.8		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	54.6		ug/Kg		109	77 - 122
1,2-Dichloropropane	50.0	50.0		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	52.4		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	52.2		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	213		ug/Kg		85	70 - 134
2-Hexanone	250	238		ug/Kg		95	59 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/Kg		92	65 - 133
Acetone	250	207		ug/Kg		83	61 - 137
Benzene	50.0	52.3		ug/Kg		105	79 - 127
Bromodichloromethane	50.0	57.9		ug/Kg		116	80 - 122
Bromoform	50.0	48.8		ug/Kg		98	68 - 126
Bromomethane	50.0	73.8		ug/Kg		148	37 - 149
Carbon disulfide	50.0	50.1		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	60.0		ug/Kg		120	75 - 135
Chlorobenzene	50.0	50.3		ug/Kg		101	76 - 124
Chloroethane	50.0	89.7	TH	ug/Kg		179	69 - 135
Chloroform	50.0	54.5		ug/Kg		109	80 - 120
Chloromethane	50.0	74.5	TH	ug/Kg		149	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	55.4		ug/Kg		111	76 - 125
Dichlorodifluoromethane	50.0	35.7		ug/Kg		71	57 - 142
Ethylbenzene	50.0	53.8		ug/Kg		108	80 - 120
Isopropylbenzene	50.0	52.0		ug/Kg		104	72 - 120
Methyl acetate	100	84.0		ug/Kg		84	55 - 136
Methyl tert-butyl ether	50.0	45.9		ug/Kg		92	63 - 125
Methylcyclohexane	50.0	47.1		ug/Kg		94	60 - 140
Methylene Chloride	50.0	53.2		ug/Kg		106	61 - 127
Styrene	50.0	51.0		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	49.1		ug/Kg		98	74 - 122
Toluene	50.0	52.4		ug/Kg		105	74 - 128
trans-1,2-Dichloroethene	50.0	53.0		ug/Kg		106	78 - 126
Trichloroethene	50.0	50.6		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	60.3		ug/Kg		121	65 - 146
Vinyl chloride	50.0	80.0	TH	ug/Kg		160	61 - 133
Xylenes, Total	100	102		ug/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	92		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	98		71 - 125

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-590875/1-A

Matrix: Solid

Analysis Batch: 591053

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 590875

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
1,4-Dioxane	99	U	99	54	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4-Dinitrophenol	1600	U	1600	770	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Chlorophenol	330	U	330	31	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Methylphenol	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Nitroaniline	330	U	330	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
2-Nitrophenol	170	U	170	47	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
3-Nitroaniline	330	U	330	46	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Chloroaniline	170	U	170	41	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Methylphenol	330	U	330	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Nitroaniline	330	U	330	88	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
4-Nitrophenol	330	U	330	120	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Acenaphthene	170	U	170	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Acenaphthylene	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Acetophenone	170	U	170	23	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Anthracene	170	U	170	41	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Atrazine	170	U	170	58	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzaldehyde	170	U	170	130	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Biphenyl	170	U	170	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Caprolactam	170	U	170	50	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Carbazole	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Chrysene	170	U	170	37	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Dibenzofuran	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-590875/1-A
Matrix: Solid
Analysis Batch: 591053

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590875

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Dimethyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Di-n-butyl phthalate	65.9	J	170	29	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Fluoranthene	170	U	170	18	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Fluorene	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Hexachlorobenzene	170	U	170	23	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Hexachloroethane	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Isophorone	170	U	170	36	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Naphthalene	170	U	170	22	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Nitrobenzene	170	U	170	19	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Pentachlorophenol	330	U	330	170	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Phenanthrene	170	U	170	25	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Phenol	170	U	170	26	ug/Kg		07/29/21 08:49	07/30/21 11:33	1
Pyrene	170	U	170	20	ug/Kg		07/29/21 08:49	07/30/21 11:33	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				07/29/21 08:49	07/30/21 11:33	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	87		54 - 120	07/29/21 08:49	07/30/21 11:33	1
2-Fluorobiphenyl (Surr)	92		60 - 120	07/29/21 08:49	07/30/21 11:33	1
2-Fluorophenol (Surr)	82		52 - 120	07/29/21 08:49	07/30/21 11:33	1
Nitrobenzene-d5 (Surr)	85		53 - 120	07/29/21 08:49	07/30/21 11:33	1
Phenol-d5 (Surr)	88		54 - 120	07/29/21 08:49	07/30/21 11:33	1
p-Terphenyl-d14 (Surr)	100		79 - 130	07/29/21 08:49	07/30/21 11:33	1

Lab Sample ID: LCS 480-590875/2-A
Matrix: Solid
Analysis Batch: 591053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590875

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1630	1460		ug/Kg		90	59 - 125
1,4-Dioxane	1630	849		ug/Kg		52	23 - 120
2,3,4,6-Tetrachlorophenol	1630	1530		ug/Kg		94	64 - 120
2,4,5-Trichlorophenol	1630	1530		ug/Kg		93	59 - 126
2,4,6-Trichlorophenol	1630	1540		ug/Kg		94	59 - 123
2,4-Dichlorophenol	1630	1550		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1630	1550		ug/Kg		95	59 - 120
2,4-Dinitrophenol	3260	2940		ug/Kg		90	41 - 146
2,4-Dinitrotoluene	1630	1610		ug/Kg		98	63 - 120
2,6-Dinitrotoluene	1630	1560		ug/Kg		95	66 - 120
2-Chloronaphthalene	1630	1470		ug/Kg		90	57 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590875/2-A
Matrix: Solid
Analysis Batch: 591053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	1630	1360		ug/Kg		83	53 - 120
2-Methylnaphthalene	1630	1460		ug/Kg		90	59 - 120
2-Methylphenol	1630	1440		ug/Kg		88	54 - 120
2-Nitroaniline	1630	1490		ug/Kg		92	61 - 120
2-Nitrophenol	1630	1410		ug/Kg		87	56 - 120
3,3'-Dichlorobenzidine	3260	2580		ug/Kg		79	54 - 120
3-Nitroaniline	1630	1400		ug/Kg		86	48 - 120
4,6-Dinitro-2-methylphenol	3260	3110		ug/Kg		95	49 - 122
4-Bromophenyl phenyl ether	1630	1560		ug/Kg		96	58 - 120
4-Chloro-3-methylphenol	1630	1590		ug/Kg		97	61 - 120
4-Chloroaniline	1630	1460		ug/Kg		89	38 - 120
4-Chlorophenyl phenyl ether	1630	1560		ug/Kg		96	63 - 124
4-Methylphenol	1630	1510		ug/Kg		92	55 - 120
4-Nitroaniline	1630	1650		ug/Kg		101	56 - 120
4-Nitrophenol	3260	3320		ug/Kg		102	43 - 147
Acenaphthene	1630	1450		ug/Kg		89	62 - 120
Acenaphthylene	1630	1590		ug/Kg		98	58 - 121
Acetophenone	1630	1410		ug/Kg		87	54 - 120
Anthracene	1630	1610		ug/Kg		98	62 - 120
Atrazine	3260	3280		ug/Kg		101	60 - 127
Benzaldehyde	3260	1470		ug/Kg		45	10 - 150
Benzo[a]anthracene	1630	1670		ug/Kg		102	65 - 120
Benzo[a]pyrene	1630	1650		ug/Kg		101	64 - 120
Benzo[b]fluoranthene	1630	1620		ug/Kg		99	64 - 120
Benzo[g,h,i]perylene	1630	1560		ug/Kg		96	45 - 145
Benzo[k]fluoranthene	1630	1710		ug/Kg		105	65 - 120
Biphenyl	1630	1500		ug/Kg		92	59 - 120
bis (2-chloroisopropyl) ether	1630	1190		ug/Kg		73	44 - 120
Bis(2-chloroethoxy)methane	1630	1400		ug/Kg		86	55 - 120
Bis(2-chloroethyl)ether	1630	1270		ug/Kg		78	45 - 120
Bis(2-ethylhexyl) phthalate	1630	1570		ug/Kg		96	61 - 133
Butyl benzyl phthalate	1630	1580		ug/Kg		97	61 - 129
Caprolactam	3260	3070		ug/Kg		94	47 - 120
Carbazole	1630	1680		ug/Kg		103	65 - 120
Chrysene	1630	1640		ug/Kg		101	64 - 120
Dibenz(a,h)anthracene	1630	1690		ug/Kg		104	54 - 132
Dibenzofuran	1630	1560		ug/Kg		96	63 - 120
Diethyl phthalate	1630	1620		ug/Kg		99	66 - 120
Dimethyl phthalate	1630	1590		ug/Kg		97	65 - 124
Di-n-butyl phthalate	1630	1670		ug/Kg		103	58 - 130
Di-n-octyl phthalate	1630	1510		ug/Kg		93	57 - 133
Fluoranthene	1630	1610		ug/Kg		98	62 - 120
Fluorene	1630	1570		ug/Kg		96	63 - 120
Hexachlorobenzene	1630	1570		ug/Kg		96	60 - 120
Hexachlorobutadiene	1630	1420		ug/Kg		87	45 - 120
Hexachlorocyclopentadiene	1630	1400		ug/Kg		86	47 - 120
Hexachloroethane	1630	1260		ug/Kg		77	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1540		ug/Kg		95	56 - 134
Isophorone	1630	1430		ug/Kg		88	56 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-590875/2-A
Matrix: Solid
Analysis Batch: 591053

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590875

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1630	1390		ug/Kg		85	55 - 120
Nitrobenzene	1630	1380		ug/Kg		84	54 - 120
N-Nitrosodi-n-propylamine	1630	1400		ug/Kg		86	52 - 120
N-Nitrosodiphenylamine	1630	1550		ug/Kg		95	51 - 128
Pentachlorophenol	3260	2590		ug/Kg		79	51 - 120
Phenanthrene	1630	1620		ug/Kg		99	60 - 120
Phenol	1630	1300		ug/Kg		80	53 - 120
Pyrene	1630	1640		ug/Kg		100	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	96		54 - 120
2-Fluorobiphenyl (Surr)	91		60 - 120
2-Fluorophenol (Surr)	80		52 - 120
Nitrobenzene-d5 (Surr)	83		53 - 120
Phenol-d5 (Surr)	84		54 - 120
p-Terphenyl-d14 (Surr)	100		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-591257/1-A
Matrix: Solid
Analysis Batch: 591424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin	1.7	U	1.7	0.33	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin aldehyde	0.713	J	1.7	0.43	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin ketone	0.466	J	1.7	0.41	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
gamma-BHC (Lindane)	0.559	J	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Toxaphene	17	U	17	9.7	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		08/02/21 07:53	08/03/21 09:23	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		45 - 120	08/02/21 07:53	08/03/21 09:23	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-591257/1-A
Matrix: Solid
Analysis Batch: 591424

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591257

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	83		45 - 120	08/02/21 07:53	08/03/21 09:23	1
Tetrachloro-m-xylene	73		30 - 124	08/02/21 07:53	08/03/21 09:23	1
Tetrachloro-m-xylene	64		30 - 124	08/02/21 07:53	08/03/21 09:23	1

Lab Sample ID: LCS 480-591257/2-A
Matrix: Solid
Analysis Batch: 591424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDE	16.4	13.3		ug/Kg		81	44 - 120
4,4'-DDT	16.4	17.2		ug/Kg		105	38 - 120
Aldrin	16.4	12.0		ug/Kg		74	38 - 120
alpha-BHC	16.4	11.2		ug/Kg		68	39 - 120
beta-BHC	16.4	13.9		ug/Kg		85	40 - 120
cis-Chlordane	16.4	12.3		ug/Kg		75	47 - 120
delta-BHC	16.4	12.8		ug/Kg		78	45 - 120
Dieldrin	16.4	15.6		ug/Kg		95	58 - 120
Endosulfan I	16.4	14.5		ug/Kg		89	49 - 120
Endosulfan II	16.4	17.3		ug/Kg		106	55 - 120
Endosulfan sulfate	16.4	18.8		ug/Kg		115	49 - 124
Endrin	16.4	16.4		ug/Kg		100	58 - 120
Endrin aldehyde	16.4	15.3		ug/Kg		93	37 - 121
Endrin ketone	16.4	17.8		ug/Kg		109	46 - 123
gamma-BHC (Lindane)	16.4	12.6		ug/Kg		77	50 - 120
Heptachlor	16.4	13.7		ug/Kg		84	50 - 120
Heptachlor epoxide	16.4	14.8		ug/Kg		91	50 - 120
Methoxychlor	16.4	20.1		ug/Kg		123	58 - 133
trans-Chlordane	16.4	16.2		ug/Kg		99	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	97		45 - 120
DCB Decachlorobiphenyl	91		45 - 120
Tetrachloro-m-xylene	84		30 - 124
Tetrachloro-m-xylene	70		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-590866/1-A
Matrix: Solid
Analysis Batch: 590964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590866

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.045	mg/Kg		07/29/21 08:05	07/29/21 16:24	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg		07/29/21 08:05	07/29/21 16:24	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg		07/29/21 08:05	07/29/21 16:24	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg		07/29/21 08:05	07/29/21 16:24	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg		07/29/21 08:05	07/29/21 16:24	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 480-590866/1-A
Matrix: Solid
Analysis Batch: 590964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 590866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.23	U	0.23	0.11	mg/Kg		07/29/21 08:05	07/29/21 16:24	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		07/29/21 08:05	07/29/21 16:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	07/29/21 08:05	07/29/21 16:24	1
Tetrachloro-m-xylene	120		60 - 154	07/29/21 08:05	07/29/21 16:24	1
DCB Decachlorobiphenyl	110		65 - 174	07/29/21 08:05	07/29/21 16:24	1
DCB Decachlorobiphenyl	117		65 - 174	07/29/21 08:05	07/29/21 16:24	1

Lab Sample ID: LCS 480-590866/2-A
Matrix: Solid
Analysis Batch: 590964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 590866

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.07	2.67		mg/Kg		129	51 - 185
PCB-1260	2.07	2.62		mg/Kg		127	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	129		60 - 154
Tetrachloro-m-xylene	141		60 - 154
DCB Decachlorobiphenyl	130		65 - 174
DCB Decachlorobiphenyl	140		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-591265/1-A
Matrix: Solid
Analysis Batch: 591861

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591265

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	16	U	16	10	ug/Kg		08/02/21 08:26	08/05/21 13:09	1
Silvex (2,4,5-TP)	16	U	16	5.9	ug/Kg		08/02/21 08:26	08/05/21 13:09	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	08/02/21 08:26	08/05/21 13:09	1
2,4-Dichlorophenylacetic acid	66		28 - 129	08/02/21 08:26	08/05/21 13:09	1

Lab Sample ID: LCS 480-591265/2-A
Matrix: Solid
Analysis Batch: 591861

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591265

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D	66.0	50.0		ug/Kg		76	40 - 120
Silvex (2,4,5-TP)	66.0	50.4		ug/Kg		76	39 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4-Dichlorophenylacetic acid	75		28 - 129
2,4-Dichlorophenylacetic acid	73		28 - 129

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169667/1-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169667

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/30/21 13:13	08/02/21 14:36	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	93		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C2 PFDoA	71		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C2 PFHxA	102		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C2 PFTeDA	75		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C2 PFUnA	82		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C3 PFBS	98		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C4 PFBA	98		25 - 150	07/30/21 13:13	08/02/21 14:36	1
13C4 PFHpA	97		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C4 PFOA	95		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C4 PFOS	88		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C5 PFNA	91		50 - 150	07/30/21 13:13	08/02/21 14:36	1
13C5 PFPeA	98		25 - 150	07/30/21 13:13	08/02/21 14:36	1
13C8 FOSA	77		25 - 150	07/30/21 13:13	08/02/21 14:36	1
18O2 PFHxS	91		50 - 150	07/30/21 13:13	08/02/21 14:36	1
d3-NMeFOSAA	88		50 - 150	07/30/21 13:13	08/02/21 14:36	1
d5-NEtFOSAA	86		50 - 150	07/30/21 13:13	08/02/21 14:36	1
M2-6:2 FTS	101		25 - 150	07/30/21 13:13	08/02/21 14:36	1
M2-8:2 FTS	97		25 - 150	07/30/21 13:13	08/02/21 14:36	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169667/2-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	2.12		ug/Kg		111	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.99	J	ug/Kg		105	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.00	2.44		ug/Kg		122	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.86		ug/Kg		105	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.17		ug/Kg		108	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.96		ug/Kg		102	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.15		ug/Kg		108	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.20		ug/Kg		110	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.12		ug/Kg		111	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	2.19		ug/Kg		109	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		106	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.12		ug/Kg		106	70 - 130
Perfluorononanoic acid (PFNA)	2.00	2.31		ug/Kg		116	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.07		ug/Kg		103	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	2.03		ug/Kg		110	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	2.14		ug/Kg		107	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	2.03		ug/Kg		101	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.24		ug/Kg		112	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.12		ug/Kg		106	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.42		ug/Kg		121	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	89		50 - 150
13C2 PFDoA	83		50 - 150
13C2 PFHxA	101		50 - 150
13C2 PFTeDA	77		50 - 150
13C2 PFUnA	86		50 - 150
13C3 PFBS	99		50 - 150
13C4 PFBA	101		25 - 150
13C4 PFHpA	97		50 - 150
13C4 PFOA	96		50 - 150
13C4 PFOS	91		50 - 150
13C5 PFNA	95		50 - 150
13C5 PFPeA	103		25 - 150
13C8 FOSA	91		25 - 150
18O2 PFHxS	95		50 - 150
d3-NMeFOSAA	92		50 - 150

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169667/2-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169667

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
<i>d5-NEtFOSAA</i>	95		50 - 150
<i>M2-6:2 FTS</i>	102		25 - 150
<i>M2-8:2 FTS</i>	94		25 - 150

Lab Sample ID: 480-187683-15 MS
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: B-21-108 (2-2.6)(07272021)
Prep Type: Total/NA
Prep Batch: 169667

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
				<i>Result</i>	<i>Qualifier</i>				
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.2	U	2.11	2.36		ug/Kg	☼	112	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.2	U	2.09	2.20		ug/Kg	☼	105	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.2	U	2.21	2.34		ug/Kg	☼	106	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.2	U	2.21	2.52		ug/Kg	☼	114	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.22	U	1.95	1.93		ug/Kg	☼	99	70 - 130
Perfluorobutanoic acid (PFBA)	0.25	J	2.21	2.47		ug/Kg	☼	101	70 - 130
Perfluorodecanesulfonic acid (PFDS)	0.22	U	2.13	2.23		ug/Kg	☼	105	70 - 130
Perfluorodecanoic acid (PFDA)	0.22	U	2.21	2.29		ug/Kg	☼	104	70 - 130
Perfluorododecanoic acid (PFDoA)	0.22	U	2.21	2.37		ug/Kg	☼	107	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	2.10	2.33		ug/Kg	☼	111	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.22	U	2.21	2.26		ug/Kg	☼	102	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	2.01	2.16		ug/Kg	☼	108	70 - 130
Perfluorohexanoic acid (PFHxA)	0.22	U	2.21	2.36		ug/Kg	☼	107	70 - 130
Perfluorononanoic acid (PFNA)	0.038	J	2.21	2.51		ug/Kg	☼	112	70 - 130
Perfluorooctanesulfonamide (PFOSA)	0.22	U	2.21	2.41		ug/Kg	☼	109	70 - 130
Perfluorooctanesulfonic acid (PFOS)	0.77	TL	2.05	2.16	TL	ug/Kg	☼	68	70 - 130
Perfluorooctanoic acid (PFOA)	0.028	J	2.21	2.31		ug/Kg	☼	103	70 - 130
Perfluoropentanoic acid (PFPeA)	0.22	U	2.21	2.40		ug/Kg	☼	109	70 - 130
Perfluorotetradecanoic acid (PFTeA)	0.22	U	2.21	2.41		ug/Kg	☼	109	70 - 130
Perfluorotridecanoic acid (PFTriA)	0.22	U	2.21	2.40		ug/Kg	☼	109	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.049	J	2.21	2.53		ug/Kg	☼	112	70 - 130

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
<i>13C2 PFDA</i>	72		50 - 150
<i>13C2 PFDoA</i>	63		50 - 150
<i>13C2 PFHxA</i>	77		50 - 150
<i>13C2 PFTeDA</i>	69		50 - 150
<i>13C2 PFUnA</i>	68		50 - 150
<i>13C3 PFBS</i>	67		50 - 150

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-187683-15 MS

Matrix: Solid

Analysis Batch: 169721

Client Sample ID: B-21-108 (2-2.6)(07272021)

Prep Type: Total/NA

Prep Batch: 169667

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFBA	78		25 - 150
13C4 PFHpA	75		50 - 150
13C4 PFOA	74		50 - 150
13C4 PFOS	63		50 - 150
13C5 PFNA	70		50 - 150
13C5 PFPeA	76		25 - 150
13C8 FOSA	62		25 - 150
18O2 PFHxS	62		50 - 150
d3-NMeFOSAA	65		50 - 150
d5-NEtFOSAA	64		50 - 150
M2-6:2 FTS	59		25 - 150
M2-8:2 FTS	56		25 - 150

Lab Sample ID: 480-187683-15 MSD

Matrix: Solid

Analysis Batch: 169721

Client Sample ID: B-21-108 (2-2.6)(07272021)

Prep Type: Total/NA

Prep Batch: 169667

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD MSD</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
				<i>Result</i>	<i>Qualifier</i>						
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.2	U	2.12	2.34		ug/Kg	☼	110	70 - 130	1	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.2	U	2.10	2.19	J	ug/Kg	☼	104	70 - 130	1	20
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.2	U	2.21	2.38		ug/Kg	☼	107	70 - 130	2	20
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.2	U	2.21	2.59		ug/Kg	☼	117	70 - 130	3	20
Perfluorobutanesulfonic acid (PFBS)	0.22	U	1.96	2.16		ug/Kg	☼	110	70 - 130	11	20
Perfluorobutanoic acid (PFBA)	0.25	J	2.21	2.55		ug/Kg	☼	104	70 - 130	3	20
Perfluorodecanesulfonic acid (PFDS)	0.22	U	2.13	2.10		ug/Kg	☼	98	70 - 130	6	20
Perfluorodecanoic acid (PFDA)	0.22	U	2.21	2.30		ug/Kg	☼	104	70 - 130	1	20
Perfluorododecanoic acid (PFDoA)	0.22	U	2.21	2.43		ug/Kg	☼	110	70 - 130	2	20
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	2.11	2.29		ug/Kg	☼	109	70 - 130	2	20
Perfluoroheptanoic acid (PFHpA)	0.22	U	2.21	2.35		ug/Kg	☼	106	70 - 130	4	20
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	2.01	2.13		ug/Kg	☼	106	70 - 130	1	20
Perfluorohexanoic acid (PFHxA)	0.22	U	2.21	2.45		ug/Kg	☼	111	70 - 130	4	20
Perfluorononanoic acid (PFNA)	0.038	J	2.21	2.47		ug/Kg	☼	110	70 - 130	2	20
Perfluorooctanesulfonamide (PFOSA)	0.22	U	2.21	2.47		ug/Kg	☼	112	70 - 130	2	20
Perfluorooctanesulfonic acid (PFOS)	0.77	TL	2.05	2.13	TL	ug/Kg	☼	66	70 - 130	1	20
Perfluorooctanoic acid (PFOA)	0.028	J	2.21	2.39		ug/Kg	☼	107	70 - 130	3	20
Perfluoropentanoic acid (PFPeA)	0.22	U	2.21	2.39		ug/Kg	☼	108	70 - 130	0	20
Perfluorotetradecanoic acid (PFTeA)	0.22	U	2.21	2.46		ug/Kg	☼	111	70 - 130	2	20
Perfluorotridecanoic acid (PFTriA)	0.22	U	2.21	2.37		ug/Kg	☼	107	70 - 130	2	20

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-187683-15 MSD

Client Sample ID: B-21-108 (2-2.6)(07272021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 169721

Prep Batch: 169667

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.049	J	2.21	2.46		ug/Kg	✱	109	70 - 130	3	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
13C2 PFDA	74		50 - 150								
13C2 PFDoA	65		50 - 150								
13C2 PFHxA	75		50 - 150								
13C2 PFTeDA	68		50 - 150								
13C2 PFUnA	73		50 - 150								
13C3 PFBS	64		50 - 150								
13C4 PFBA	77		25 - 150								
13C4 PFHpA	75		50 - 150								
13C4 PFOA	75		50 - 150								
13C4 PFOS	64		50 - 150								
13C5 PFNA	75		50 - 150								
13C5 PFPeA	77		25 - 150								
13C8 FOSA	64		25 - 150								
18O2 PFHxS	63		50 - 150								
d3-NMeFOSAA	66		50 - 150								
d5-NEtFOSAA	73		50 - 150								
M2-6:2 FTS	60		25 - 150								
M2-8:2 FTS	62		25 - 150								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-591143/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 591671

Prep Batch: 591143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.4	U	10.4	4.6	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Antimony	15.7	U	15.7	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Arsenic	2.1	U	2.1	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Barium	0.52	U	0.52	0.11	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Cadmium	0.21	U	0.21	0.031	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Calcium	4.24	J	52.2	3.4	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Chromium	0.52	U	0.52	0.21	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Cobalt	0.52	U	0.52	0.052	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Copper	1.0	U	1.0	0.22	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Iron	6.97	J	10.4	3.7	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Lead	1.0	U	1.0	0.25	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Magnesium	20.9	U	20.9	0.97	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Manganese	0.0511	J	0.21	0.033	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Nickel	5.2	U	5.2	0.24	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Potassium	31.3	U	31.3	20.9	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Selenium	4.2	U	4.2	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Silver	0.63	U	0.63	0.21	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Sodium	146	U	146	13.6	mg/Kg		07/30/21 13:36	08/03/21 22:34	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-591143/1-A
Matrix: Solid
Analysis Batch: 591671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	6.3	U	6.3	0.31	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Vanadium	0.52	U	0.52	0.11	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Zinc	2.1	U	2.1	0.67	mg/Kg		07/30/21 13:36	08/03/21 22:34	1

Lab Sample ID: LCSSRM 480-591143/2-A
Matrix: Solid
Analysis Batch: 591671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591143

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Aluminum	8190	9760		mg/Kg		119.2	50.1 - 150.2
Antimony	110	84.68		mg/Kg		77.0	22.2 - 254.5
Arsenic	162	143.2		mg/Kg		88.4	70.4 - 130.2
Barium	138	135.0		mg/Kg		97.8	74.6 - 124.6
Beryllium	157	165.2		mg/Kg		105.2	75.2 - 125.5
Cadmium	135	138.7		mg/Kg		102.8	74.8 - 124.4
Calcium	4790	4694		mg/Kg		98.0	72.7 - 127.3
Chromium	117	118.2		mg/Kg		101.1	70.1 - 129.9
Cobalt	92.6	98.09		mg/Kg		105.9	75.1 - 125.3
Copper	143	127.7		mg/Kg		89.3	74.8 - 124.5
Iron	15100	13890		mg/Kg		92.0	37.2 - 162.9
Lead	77.6	73.02		mg/Kg		94.1	68.8 - 131.4
Magnesium	2320	2283		mg/Kg		98.4	62.1 - 137.9
Manganese	319	305.5		mg/Kg		95.8	74.9 - 125.1
Nickel	79.9	87.05		mg/Kg		108.9	70.0 - 130.2
Potassium	2050	2260		mg/Kg		110.3	59.5 - 141.0
Selenium	172	157.6		mg/Kg		91.7	68.0 - 132.6
Silver	24.7	21.62		mg/Kg		87.5	67.2 - 133.2
Sodium	137	156.3		mg/Kg		114.1	35.8 - 164.2
Thallium	88.0	91.47		mg/Kg		103.9	66.0 - 134.1
Vanadium	99.9	98.44		mg/Kg		98.5	67.4 - 132.1
Zinc	312	291.7		mg/Kg		93.5	69.9 - 129.8

Euromins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-590977/1-A
 Matrix: Solid
 Analysis Batch: 591381

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 590977

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0039	mg/Kg		08/02/21 13:48	08/02/21 15:01	1

Lab Sample ID: LCSSRM 480-590977/2-A ^10
 Matrix: Solid
 Analysis Batch: 591381

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 590977

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	24.80		mg/Kg		91.2	59.9 - 140.1

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-169678/5
 Matrix: Solid
 Analysis Batch: 169678

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			07/30/21 12:26	1

Lab Sample ID: LCS 200-169678/6
 Matrix: Solid
 Analysis Batch: 169678

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	9075		mg/Kg		109	75 - 125

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

GC/MS VOA

Prep Batch: 591226

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-1	B-21-118 (1.0-1.25)(07262021)	Total/NA	Solid	5035A_L	
480-187683-2	B-21-111 (0.0-0.1)(07262021)	Total/NA	Solid	5035A_L	
480-187683-4	B-21-125 (4-5)(07262021)	Total/NA	Solid	5035A_L	
480-187683-5	B-21-124 (6-7)(07262021)	Total/NA	Solid	5035A_L	
480-187683-7	B-21-130 (1-2)(07262021)	Total/NA	Solid	5035A_L	
480-187683-9	B-21-108 (0-1)(07272021)	Total/NA	Solid	5035A_L	
480-187683-10	B-21-108 (1-2)(07272021)	Total/NA	Solid	5035A_L	
MB 480-591226/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591226/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 591228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-1	B-21-118 (1.0-1.25)(07262021)	Total/NA	Solid	8260C	591226
480-187683-2	B-21-111 (0.0-0.1)(07262021)	Total/NA	Solid	8260C	591226
480-187683-4	B-21-125 (4-5)(07262021)	Total/NA	Solid	8260C	591226
480-187683-5	B-21-124 (6-7)(07262021)	Total/NA	Solid	8260C	591226
480-187683-7	B-21-130 (1-2)(07262021)	Total/NA	Solid	8260C	591226
480-187683-9	B-21-108 (0-1)(07272021)	Total/NA	Solid	8260C	591226
480-187683-10	B-21-108 (1-2)(07272021)	Total/NA	Solid	8260C	591226
MB 480-591226/2-A	Method Blank	Total/NA	Solid	8260C	591226
LCS 480-591226/1-A	Lab Control Sample	Total/NA	Solid	8260C	591226

Analysis Batch: 591268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-11	B-21-122 (0-0.1)(07272021)	Total/NA	Solid	8260C	591328
480-187683-13	B-21-131 (4-4.15)(07272021)	Total/NA	Solid	8260C	591328
480-187683-14	B-21-126 (0-0.25)(07272021)	Total/NA	Solid	8260C	591328
MB 480-591328/2-A	Method Blank	Total/NA	Solid	8260C	591328
LCS 480-591328/1-A	Lab Control Sample	Total/NA	Solid	8260C	591328

Prep Batch: 591328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-11	B-21-122 (0-0.1)(07272021)	Total/NA	Solid	5035A_L	
480-187683-13	B-21-131 (4-4.15)(07272021)	Total/NA	Solid	5035A_L	
480-187683-14	B-21-126 (0-0.25)(07272021)	Total/NA	Solid	5035A_L	
MB 480-591328/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591328/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 590875

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	3550C	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	3550C	
MB 480-590875/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590875/2-A	Lab Control Sample	Total/NA	Solid	3550C	

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

GC/MS Semi VOA

Analysis Batch: 591053

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	8270D	590875
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	8270D	590875
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	8270D	590875
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	8270D	590875
MB 480-590875/1-A	Method Blank	Total/NA	Solid	8270D	590875
LCS 480-590875/2-A	Lab Control Sample	Total/NA	Solid	8270D	590875

GC Semi VOA

Prep Batch: 590866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	3550C	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	3550C	
MB 480-590866/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-590866/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 590964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	8082A	590866
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	8082A	590866
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	8082A	590866
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	8082A	590866
MB 480-590866/1-A	Method Blank	Total/NA	Solid	8082A	590866
LCS 480-590866/2-A	Lab Control Sample	Total/NA	Solid	8082A	590866

Prep Batch: 591257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	3550C	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	3550C	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	3550C	
MB 480-591257/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591257/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 591265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	8151A	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	8151A	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	8151A	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	8151A	
MB 480-591265/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-591265/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 591424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	8081B	591257
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	8081B	591257
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	8081B	591257
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	8081B	591257

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

GC Semi VOA (Continued)

Analysis Batch: 591424 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-591257/1-A	Method Blank	Total/NA	Solid	8081B	591257
LCS 480-591257/2-A	Lab Control Sample	Total/NA	Solid	8081B	591257

Analysis Batch: 591861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	8151A	591265
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	8151A	591265
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	8151A	591265
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	8151A	591265
MB 480-591265/1-A	Method Blank	Total/NA	Solid	8151A	591265
LCS 480-591265/2-A	Lab Control Sample	Total/NA	Solid	8151A	591265

LCMS

Prep Batch: 169667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-15	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	SHAKE	
MB 200-169667/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-169667/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
480-187683-15 MS	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	SHAKE	
480-187683-15 MSD	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	SHAKE	

Analysis Batch: 169721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-15	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	537 (modified)	169667
MB 200-169667/1-A	Method Blank	Total/NA	Solid	537 (modified)	169667
LCS 200-169667/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169667
480-187683-15 MS	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	537 (modified)	169667
480-187683-15 MSD	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	537 (modified)	169667

Metals

Prep Batch: 590977

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	7471B	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	7471B	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	7471B	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	7471B	
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-590977/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 591143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	3050B	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	3050B	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	3050B	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	3050B	
MB 480-591143/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-591143/2-A	Lab Control Sample	Total/NA	Solid	3050B	

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Metals

Analysis Batch: 591381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	7471B	590977
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	7471B	590977
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	7471B	590977
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	7471B	590977
MB 480-590977/1-A	Method Blank	Total/NA	Solid	7471B	590977
LCSSRM 480-590977/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	590977

Analysis Batch: 591671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	6010C	591143
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	6010C	591143
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	6010C	591143
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	6010C	591143
MB 480-591143/1-A	Method Blank	Total/NA	Solid	6010C	591143
LCSSRM 480-591143/2-A	Lab Control Sample	Total/NA	Solid	6010C	591143

Analysis Batch: 591829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	6010C	591143
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	6010C	591143
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	6010C	591143
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	6010C	591143

General Chemistry

Analysis Batch: 169678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-15	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	Lloyd Kahn	
MB 200-169678/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-169678/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 169852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-15	B-21-108 (2-2.6)(07272021)	Total/NA	Solid	Moisture	

Analysis Batch: 590820

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-3	B-21-125 (0-2)(07262021)	Total/NA	Solid	Moisture	
480-187683-6	B-21-124 (4-5)(07262021)	Total/NA	Solid	Moisture	
480-187683-8	B-21-130 (4-5)(07262021)	Total/NA	Solid	Moisture	
480-187683-12	B-21-131 (2-3)(07272021)	Total/NA	Solid	Moisture	

Analysis Batch: 591377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-1	B-21-118 (1.0-1.25)(07262021)	Total/NA	Solid	Moisture	
480-187683-2	B-21-111 (0.0-0.1)(07262021)	Total/NA	Solid	Moisture	
480-187683-4	B-21-125 (4-5)(07262021)	Total/NA	Solid	Moisture	
480-187683-5	B-21-124 (6-7)(07262021)	Total/NA	Solid	Moisture	
480-187683-7	B-21-130 (1-2)(07262021)	Total/NA	Solid	Moisture	
480-187683-9	B-21-108 (0-1)(07272021)	Total/NA	Solid	Moisture	
480-187683-10	B-21-108 (1-2)(07272021)	Total/NA	Solid	Moisture	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

General Chemistry (Continued)

Analysis Batch: 591377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187683-11	B-21-122 (0-0.1)(07272021)	Total/NA	Solid	Moisture	
480-187683-13	B-21-131 (4-4.15)(07272021)	Total/NA	Solid	Moisture	
480-187683-14	B-21-126 (0-0.25)(07272021)	Total/NA	Solid	Moisture	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-118 (1.0-1.25)(07262021)

Lab Sample ID: 480-187683-1

Date Collected: 07/26/21 09:50

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-118 (1.0-1.25)(07262021)

Lab Sample ID: 480-187683-1

Date Collected: 07/26/21 09:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 96.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 02:07	WJD	TAL BUF

Client Sample ID: B-21-111 (0.0-0.1)(07262021)

Lab Sample ID: 480-187683-2

Date Collected: 07/26/21 10:50

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-111 (0.0-0.1)(07262021)

Lab Sample ID: 480-187683-2

Date Collected: 07/26/21 10:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 02:31	WJD	TAL BUF

Client Sample ID: B-21-125 (0-2))07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590820	07/28/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-125 (0-2))07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590875	07/29/21 08:49	ADH	TAL BUF
Total/NA	Analysis	8270D		1	591053	07/30/21 17:37	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 12:57	JLS	TAL BUF
Total/NA	Prep	3550C			590866	07/29/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/29/21 19:37	NC	TAL BUF
Total/NA	Prep	8151A			591265	08/02/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8151A		1	591861	08/05/21 20:34	JLS	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-125 (0-2)(07262021)

Lab Sample ID: 480-187683-3

Date Collected: 07/26/21 13:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:28	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:00	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:23	BMB	TAL BUF

Client Sample ID: B-21-125 (4-5)(07262021)

Lab Sample ID: 480-187683-4

Date Collected: 07/26/21 13:10

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-125 (4-5)(07262021)

Lab Sample ID: 480-187683-4

Date Collected: 07/26/21 13:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 02:55	WJD	TAL BUF

Client Sample ID: B-21-124 (6-7)(07262021)

Lab Sample ID: 480-187683-5

Date Collected: 07/26/21 15:00

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-124 (6-7)(07262021)

Lab Sample ID: 480-187683-5

Date Collected: 07/26/21 15:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 03:20	WJD	TAL BUF

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590820	07/28/21 16:31	IMZ	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-124 (4-5)(07262021)

Lab Sample ID: 480-187683-6

Date Collected: 07/26/21 15:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590875	07/29/21 08:49	ADH	TAL BUF
Total/NA	Analysis	8270D		1	591053	07/30/21 18:02	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 13:17	JLS	TAL BUF
Total/NA	Prep	3550C			590866	07/29/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/29/21 19:50	NC	TAL BUF
Total/NA	Prep	8151A			591265	08/02/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8151A		1	591861	08/05/21 21:04	JLS	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:32	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:03	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:25	BMB	TAL BUF

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

Date Collected: 07/26/21 16:00

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-130 (1-2)(07262021)

Lab Sample ID: 480-187683-7

Date Collected: 07/26/21 16:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 03:44	WJD	TAL BUF

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590820	07/28/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590875	07/29/21 08:49	ADH	TAL BUF
Total/NA	Analysis	8270D		1	591053	07/30/21 18:26	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 13:36	JLS	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-130 (4-5)(07262021)

Lab Sample ID: 480-187683-8

Date Collected: 07/26/21 16:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590866	07/29/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/29/21 20:03	NC	TAL BUF
Total/NA	Prep	8151A			591265	08/02/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8151A		1	591861	08/05/21 21:34	JLS	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:35	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:07	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:26	BMB	TAL BUF

Client Sample ID: B-21-108 (0-1)(07272021)

Lab Sample ID: 480-187683-9

Date Collected: 07/27/21 08:00

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-108 (0-1)(07272021)

Lab Sample ID: 480-187683-9

Date Collected: 07/27/21 08:00

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 04:08	WJD	TAL BUF

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

Date Collected: 07/27/21 08:10

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-108 (1-2)(07272021)

Lab Sample ID: 480-187683-10

Date Collected: 07/27/21 08:10

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591226	07/28/21 10:30	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591228	08/02/21 04:33	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-122 (0-0.1)(07272021)

Lab Sample ID: 480-187683-11

Date Collected: 07/27/21 10:25

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-122 (0-0.1)(07272021)

Lab Sample ID: 480-187683-11

Date Collected: 07/27/21 10:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 98.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/28/21 10:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 12:04	CDC	TAL BUF

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590820	07/28/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-131 (2-3)(07272021)

Lab Sample ID: 480-187683-12

Date Collected: 07/27/21 12:20

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			590875	07/29/21 08:49	ADH	TAL BUF
Total/NA	Analysis	8270D		1	591053	07/30/21 18:50	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 13:56	JLS	TAL BUF
Total/NA	Prep	3550C			590866	07/29/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8082A		1	590964	07/29/21 20:15	NC	TAL BUF
Total/NA	Prep	8151A			591265	08/02/21 08:26	VXF	TAL BUF
Total/NA	Analysis	8151A		1	591861	08/05/21 22:03	JLS	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:39	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:22	AMH	TAL BUF
Total/NA	Prep	7471B			590977	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:27	BMB	TAL BUF

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Date Collected: 07/27/21 12:25

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Client Sample ID: B-21-131 (4-4.15)(07272021)

Lab Sample ID: 480-187683-13

Date Collected: 07/27/21 12:25

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 95.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/28/21 10:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 12:29	CDC	TAL BUF

Client Sample ID: B-21-126 (0-0.25)(07272021)

Lab Sample ID: 480-187683-14

Date Collected: 07/27/21 14:30

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591377	08/02/21 16:04	JMM	TAL BUF

Client Sample ID: B-21-126 (0-0.25)(07272021)

Lab Sample ID: 480-187683-14

Date Collected: 07/27/21 14:30

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 97.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/28/21 10:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 12:53	CDC	TAL BUF

Client Sample ID: B-21-108 (2-2.6)(07272021)

Lab Sample ID: 480-187683-15

Date Collected: 07/27/21 14:50

Matrix: Solid

Date Received: 07/28/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	169678	07/30/21 13:00	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	169852	08/04/21 18:29	LEE	TAL BUR

Client Sample ID: B-21-108 (2-2.6)(07272021)

Lab Sample ID: 480-187683-15

Date Collected: 07/27/21 14:50

Matrix: Solid

Date Received: 07/28/21 08:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169667	07/30/21 13:13	CM	TAL BUR
Total/NA	Analysis	537 (modified)		1	169721	08/02/21 15:09	ND	TAL BUR

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	SHAKE	Solid	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	SHAKE	Solid	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	SHAKE	Solid	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	SHAKE	Solid	Perfluorobutanoic acid (PFBA)
537 (modified)	SHAKE	Solid	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	SHAKE	Solid	Perfluorodecanoic acid (PFDA)
537 (modified)	SHAKE	Solid	Perfluorododecanoic acid (PFDoA)
537 (modified)	SHAKE	Solid	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	SHAKE	Solid	Perfluoroheptanoic acid (PFHpA)
537 (modified)	SHAKE	Solid	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	SHAKE	Solid	Perfluorohexanoic acid (PFHxA)
537 (modified)	SHAKE	Solid	Perfluorononanoic acid (PFNA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	SHAKE	Solid	Perfluorooctanoic acid (PFOA)
537 (modified)	SHAKE	Solid	Perfluoropentanoic acid (PFPeA)
537 (modified)	SHAKE	Solid	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	SHAKE	Solid	Perfluorotridecanoic acid (PFTriA)
537 (modified)	SHAKE	Solid	Perfluoroundecanoic acid (PFUnA)
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUR
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187683-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187683-1	B-21-118 (1.0-1.25)(07262021)	Solid	07/26/21 09:50	07/28/21 08:00
480-187683-2	B-21-111 (0.0-0.1)(07262021)	Solid	07/26/21 10:50	07/28/21 08:00
480-187683-3	B-21-125 (0-2)(07262021)	Solid	07/26/21 13:00	07/28/21 08:00
480-187683-4	B-21-125 (4-5)(07262021)	Solid	07/26/21 13:10	07/28/21 08:00
480-187683-5	B-21-124 (6-7)(07262021)	Solid	07/26/21 15:00	07/28/21 08:00
480-187683-6	B-21-124 (4-5)(07262021)	Solid	07/26/21 15:10	07/28/21 08:00
480-187683-7	B-21-130 (1-2)(07262021)	Solid	07/26/21 16:00	07/28/21 08:00
480-187683-8	B-21-130 (4-5)(07262021)	Solid	07/26/21 16:10	07/28/21 08:00
480-187683-9	B-21-108 (0-1)(07272021)	Solid	07/27/21 08:00	07/28/21 08:00
480-187683-10	B-21-108 (1-2)(07272021)	Solid	07/27/21 08:10	07/28/21 08:00
480-187683-11	B-21-122 (0-0.1)(07272021)	Solid	07/27/21 10:25	07/28/21 08:00
480-187683-12	B-21-131 (2-3)(07272021)	Solid	07/27/21 12:20	07/28/21 08:00
480-187683-13	B-21-131 (4-4.15)(07272021)	Solid	07/27/21 12:25	07/28/21 08:00
480-187683-14	B-21-126 (0-0.25)(07272021)	Solid	07/27/21 14:30	07/28/21 08:00
480-187683-15	B-21-108 (2-2.6)(07272021)	Solid	07/27/21 14:50	07/28/21 08:00



Syracuse
 Carrier Tracking No(s):
#225

Client Information
 Client Contact: *Olivia Bottig*
 Phone: *315-552-8484*
 Company: **ERM-Northeast**
 Address: **5784 Widewaters Pkwy**
 City: **Dewitt**
 State, Zip: **NY, 13214**
 Phone: **315-445-2543(Tel)**
 Email: *rob@erm.com*
 Project Name: *Lidestri-Ridgeway Property
 Site: **Li-Cycle, Lidestri-Ridgeway Property***

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofinset.com
Lab No.: 480-163241-35773.1
Page: Page 1 of 2
Job #: *43*

Analysis Requested

Due Date Requested:
TAT Requested (days): *Standard*
Compliance Project: Yes No
PO #:
Purchase Order Requested:
WO #:
Project #: 48023985
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, Other)	Field Filtered Sample (Yes or No)	Preservation Codes:		Special Instructions/Note:
						8260C - TCL VOCs + 10 TTCs	6010C, 7471B	
B-21-118 (1.0-1.25) (07262021)	7/26/21	0950	G	Solid	N	N		
B-21-111 (0.0-0.1) (07262021)		1050	G	Solid	N	N		
B-21-125 (0.0-0.1) (07262021)		1300	G	Solid	N	N		
B-21-125 (4-5) (07262021)		1310	G	Solid	N	N		
B-21-124 (6-7) (07262021)		1500	G	Solid	N	N		
B-21-124 (4-5) (07262021)		1510	G	Solid	N	N		
B-21-130 (1-2) (07262021)		1600	G	Solid	N	N		
B-21-130 (4-5) (07262021)		1610	G	Solid	N	N		
B-21-108 (0-1) (07272021)	7/27/21	0800	G	Solid	N	N		
B-21-108 (1-2) (07272021)		0810	G	Solid	N	N		
B-21-122 (0-0.1) (07272021)		1025	G	Solid	N	N		

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) *Level IV, Cat ASP B*

Empty Kit Relinquished by: *ERM* Date/Time: *7/27/21 1515* Company: *ERM*

Relinquished by: *RC* Date/Time: *7-27-21 1900* Company: *ERM*

Relinquished by: *RC* Date/Time: *7-28-21 800* Company: *ERM*

Custody Seals Intact: Yes No

Custody Seal No.:

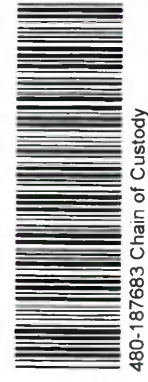
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: *ERM EQUIS EDD* Method of Shipment: _____

Received by: *ERM* Date/Time: *7/27/21 1515* Company: *ERM*

Received by: *RC* Date/Time: *7-28-21 800* Company: *ERM*

Received by: *RC* Date/Time: *7-28-21 800* Company: *ERM*

Cooler Temperature(s) °C and Other Remarks: *ICE*



480-187683 Chain of Custody

Chain of Custody Record

AFAS → SVT From Lya - RE

Syracuse
 (Camera Tracking Note)

Client Information
 Client Contact: Robert Sents
 Company: ERM-Northeast
 Address: 5764 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: add @DORA.COM
 Li-Cycle: Lidestri-Ridgeway Property
 Site: land.munitha@erm.com

Sampler Information
 Sampler: Olivia Botary
 Lab PM: Schove, John R
 Phone: 315-552-8484
 E-Mail: John.Schove@Eurofinset.com

Job Information
 COC No.: 480-163241-35773.2
 Page: 2 of 2
 Job #:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (w/water, solid, o/w, etc)	Field Filtered Sample (Yes or No)	Analysis Requested		Total Number of Containers	Special Instructions/Note:
						8260C - TCL VOCs + 10 TICs	8081B, 8082A, 8151A, 8270D		
B-21-131(2-3)(07272021)	7/27/21	1220	G	Solid	N	N	X	3	
B-21-131(4-4.5)(07272021)	7/27/21	1225	G	Solid	N	N	X	4	
B-21-126(0-0.25)(07272021)	7/27/21	1450	G	Solid	N	N	X	4	
B-21-108(2-2.6)(07272021)	7/27/21	1450	G	Solid	N	N	X	2	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) level IV, ASP cat B

Empty Kit Relinquished by: ERM Date/Time: 7/27/21 1515 Company: ERM

Relinquished by: ERM Date/Time: 7/27/21 1900 Company: ERM

Relinquished by: ERM Date/Time: 7/27/21 1505 Company: ERM

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For Months

Special Instructions/QC Requirements: ERM ERVES EDD

Method of Shipment:

Cooler Temperature(s) °C and Other Remarks:



Chain of Custody Record

Syracuse
 Carrier Tracking No(s):
#225

Client Information
 Client Contact: **Olivia Bottig**
 Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543 (Tel)
 Email: robert.sents@erm.com
 Project Name: **ERM - Nor**
 Li-Cycle: Lideistri-Ridgeway Property
 Site:

Lab PM: Schove, John R
 E-Mail: John.Schove@Eurofinsnet.com
 Lab No: 480-163241-35773.1
 Page: Page 1 of 2
 Job #:

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Yes No
Purchase Order Requested
WO #:
Project #: 48023985
SSOW#:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=soil, B=biota, A=air)	Analysis Requested	Special Instructions/Note
B-21-118 (1.0-1.25) (07262021)	7/26/21	0950	G	Solid	8260C - TCL VOCs + 10 TICs	
B-21-111 (0.0-0.1) (07262021)		1050	G	Solid	6010C, 7471B	
B-21-125 (0.0-2.0) (07262021)		1300	G	Solid	8081B, 8082A, 8151A, 8270D	
B-21-125 (4-5) (07262021)		1310	G	Solid		
B-21-124 (6-7) (07262021)		1500	G	Solid		
B-21-124 (4-5) (07262021)		1510	G	Solid		
B-21-130 (1-2) (07262021)		1600	G	Solid		
B-21-130 (4-5) (07262021)		1610	G	Solid		
B-21-108 (0-1) (07272021)	7/27/21	0800	G	Solid		
B-21-108 (1-2) (07272021)		0810	G	Solid		
B-21-122 (0-0.1) (07272021)		1025	G	Solid		

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months
 Special Instructions/QC Requirements: **ERM EQVIS EDD**
 Method of Shipment:

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) **Level IV, Cat ASP B**

Empty Kit Relinquished by:
 Relinquished by: **ERM** Date: 7/27/21 1515 Company: **ERM**
 Relinquished by: **ERM** Date: 7-27-21 1900 Company: **ERM**
 Relinquished by: **ERM** Date: _____ Company: _____

Custody Seals Intact: Yes No
 Custody Seal No.: _____
 Cooler Temperature(s) °C and Other Remarks:



ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS, TESTAMERICA
118 BOSS RD

SHIP DATE: 27JUL21
ACTWGT: 4.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

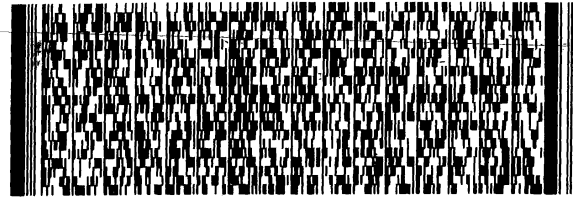
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 660-1990

REF: ERM LI - CYCLE 1COOLER



FedEx
Express



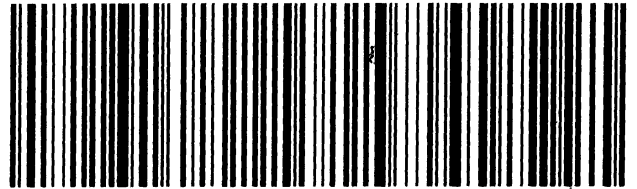
J21102012111010W

TRK# 9735 8147 0748
0201

WED - 28 JUL 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US **BTVA**



Eurofins TestAmerica, Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record



Environment Testing
America

Client Information (Sub Contract Lab) Client Contact: Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 530 Community Drive, Suite 11, City: South Burlington State, Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email:		Lab PM: Schove, John R E-Mail: John.Schove@Eurofinset.com State of Origin: New York Accreditations Required (See note): NELAP - New York	
Due Date Requested: 8/10/2021 TAT Requested (days):		Analysis Requested	
PO #: WO #: Project #: 48023985 SOW#:		Preservation Codes: A - HCL M - Hexane B - NaOH N - None O - AsNaO2 C - Zn Acetate P - Na2O4S D - Nitric Acid Q - Na2SO3 E - NaHSO4 R - Na2S2O3 F - MeOH S - H2SO4 G - Amchlor H - Ascorbic Acid I - Ice U - Acetone J - DI Water K - EDTA L - EDA Other:	
Sample Identification - Client ID (Lab ID) B-21-108 (2-2.6)(07272021) (480-187683-15)		Special Instructions/Note:	
Sample Date: 7/27/21 Sample Time: 14:50 Eastern Sample Type (C=Comp, G=grab): Matrix (W=water, S=solid, O=organic, A=Air): Preservation Code: Solid	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Loyal Kahn/TOC by Loyal Kahn
Total Number of Containers: 1		Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.	
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) _____ Primary Deliverable Rank: 2 Empty Kit Relinquished by: _____ Date: _____ Relinquished by: _____ Date/Time: 7/28/21 1500 Relinquished by: _____ Date/Time: _____ Relinquished by: _____ Date/Time: _____ Custody Seals Intact: _____ Custody Seal No.: _____ Δ Yes Δ No			
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements:			
Method of Shipment: _____ Received by: _____ Date/Time: 07/29/21 1030 Received by: _____ Date/Time: _____ Received by: _____ Date/Time: _____ Cooler Temperature(s) °C and Other Remarks:			



Environment Testing
TestAmerica

Part # 159464-134 RITZ EXP 04/22

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

SHIP DATE: 28JUL21
ACTWGT: 50.30 LB
CAD: 846654/CAFE3409
DIMS: 26x15x14 IN

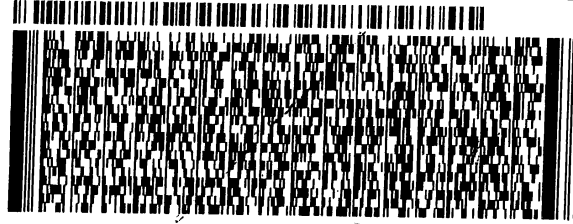
AMHERST, NY 14228
UNITED STATES US

BILL SENDER

TO **SAMPLE MGT.**
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1026
DEPT: SAMPLE CONTROL

REF: BURLINGTON



FedEx
Express

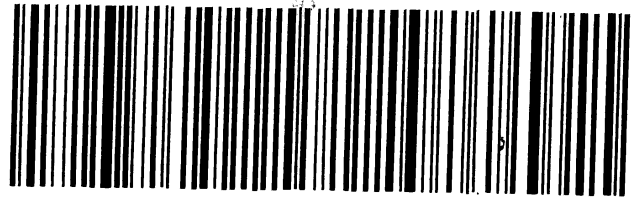


TRK#
0201 1888 3864 6597

THU - 29 JUL 4:30P
STANDARD OVERNIGHT

NL BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187683-1

Login Number: 187683

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRA CORES FROZE 7-28-21 10:30
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187683-1

Login Number: 187683

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/28/21 04:08 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520970
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187738-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:
8/12/2021 5:47:30 PM

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Job ID: 480-187738-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187738-1

Comments

No additional comments.

Receipt

The samples were received on 7/29/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591268 recovered above the upper control limit for 2-Hexanone, 4-Methyl-2-pentanone (MIBK), Chloroethane, Chloromethane and Vinyl chloride. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-131 (1-2)(07272021) (480-187738-1), B-21-121 (0-1)(07282021) (480-187738-2), B-21-121 (6-6.1)(07282021) (480-187738-3), B-21-136 (8-8.1)(07282021) (480-187738-5), B-21-136 (0-1)(07282021) (480-187738-6), B-21-135 (5-6)(07282021) (480-187738-7), B-21-135 (9-10)(07282021) (480-187738-8), B-21-134 (6-8)(07282021) (480-187738-12) and B-21-134 (10-12)(07282021) (480-187738-13).

Method 8260C: The continuing calibration verification (CCV) associated with batch 480-591268 recovered outside acceptance criteria, low biased, for Cyclohexane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported. The associated samples are: B-21-131 (1-2)(07272021) (480-187738-1), B-21-121 (0-1)(07282021) (480-187738-2), B-21-121 (6-6.1)(07282021) (480-187738-3), B-21-136 (8-8.1)(07282021) (480-187738-5), B-21-136 (0-1)(07282021) (480-187738-6), B-21-135 (5-6)(07282021) (480-187738-7), B-21-135 (9-10)(07282021) (480-187738-8), B-21-134 (6-8)(07282021) (480-187738-12) and B-21-134 (10-12)(07282021) (480-187738-13).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591328 and analytical batch 480-591268 recovered outside control limits for the following analytes: Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-131 (1-2)(07272021) (480-187738-1), B-21-121 (0-1)(07282021) (480-187738-2), B-21-121 (6-6.1)(07282021) (480-187738-3), B-21-136 (8-8.1)(07282021) (480-187738-5), B-21-136 (0-1)(07282021) (480-187738-6), B-21-135 (5-6)(07282021) (480-187738-7), B-21-135 (9-10)(07282021) (480-187738-8), B-21-134 (6-8)(07282021) (480-187738-12) and B-21-134 (10-12)(07282021) (480-187738-13).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591328 and analytical batch 480-591268 recovered outside control limits for the following analyte: Chloroethane. Chloroethane has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. The associated samples are: B-21-131 (1-2)(07272021) (480-187738-1), B-21-121 (0-1)(07282021) (480-187738-2), B-21-121 (6-6.1)(07282021) (480-187738-3), B-21-136 (8-8.1)(07282021) (480-187738-5), B-21-136 (0-1)(07282021) (480-187738-6), B-21-135 (5-6)(07282021) (480-187738-7), B-21-135 (9-10)(07282021) (480-187738-8), B-21-134 (6-8)(07282021) (480-187738-12) and B-21-134 (10-12)(07282021) (480-187738-13).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The following sample was diluted due to the nature of the sample matrix: B-21-134 (6-8)(07282021) (480-187738-12). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-121 (4-5)(07282021) (480-187738-4), B-21-135 (6-7)(07282021) (480-187738-9) and B-21-136 (4-5)(07282021) (480-187738-10). Elevated reporting limits (RLs) are provided.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Job ID: 480-187738-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: B-21-135 (6-7) (07282021) (480-187738-9), B-21-136 (4-5)(07282021) (480-187738-10) and B-21-134 (6-8)(07282021) (480-187738-12).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-131 (1-2)(07272021)

Lab Sample ID: 480-187738-1

No Detections.

Client Sample ID: B-21-121 (0-1)(07282021)

Lab Sample ID: 480-187738-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	15	J	24	4.0	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-121 (6-6.1)(07282021)

Lab Sample ID: 480-187738-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Hexanone	2.6	J	19	1.9	ug/Kg	1	✳	8260C	Total/NA
Acetone	6.9	J	19	3.2	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.35	J	3.7	0.18	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.88	J	3.7	0.28	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	0.76	J	7.5	0.63	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.60	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8400		11.4	5.0	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.8		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	11.9		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.053	J	0.23	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	158000		114	7.5	mg/Kg	2	✳	6010C	Total/NA
Chromium	8.8		0.57	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.1		0.57	0.057	mg/Kg	1	✳	6010C	Total/NA
Copper	7.8		2.3	0.48	mg/Kg	2	✳	6010C	Total/NA
Iron	11500	B	11.4	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	14.3		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	29000		22.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	266	B	0.23	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.1		5.7	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	4330		34.1	22.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	161		159	14.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.3		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.0		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-136 (8-8.1)(07282021)

Lab Sample ID: 480-187738-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.1	J	19	3.3	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.42	J	3.9	0.29	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-136 (0-1)(07282021)

Lab Sample ID: 480-187738-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.6	J	18	3.0	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	5.5	J	24	4.1	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (9-10)(07282021)

Lab Sample ID: 480-187738-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7	J	23	3.9	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[g,h,i]perylene	24	J	190	20	ug/Kg	1	✳	8270D	Total/NA
Fluoranthene	46	J	190	20	ug/Kg	1	✳	8270D	Total/NA
Pyrene	33	J	190	23	ug/Kg	1	✳	8270D	Total/NA
Endrin aldehyde	1.1	J B	1.9	0.49	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9130		11.0	4.8	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.0		2.2	0.44	mg/Kg	1	✳	6010C	Total/NA
Barium	26.1		0.55	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.22	0.031	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.044	J	0.22	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	145000		110	7.2	mg/Kg	2	✳	6010C	Total/NA
Chromium	11.2		0.55	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.9		0.55	0.055	mg/Kg	1	✳	6010C	Total/NA
Copper	9.8		2.2	0.46	mg/Kg	2	✳	6010C	Total/NA
Iron	11800	B	11.0	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	15.0		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA
Magnesium	25300		22.0	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	278	B	0.22	0.035	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.8		5.5	0.25	mg/Kg	1	✳	6010C	Total/NA
Potassium	4110		33.0	22.0	mg/Kg	1	✳	6010C	Total/NA
Silver	0.24	J	0.66	0.22	mg/Kg	1	✳	6010C	Total/NA
Sodium	189		154	14.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.5		0.55	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	11.1		2.2	0.70	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0053	J	0.016	0.0037	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	28	J	190	21	ug/Kg	1	✳	8270D	Total/NA
Endrin aldehyde	0.92	J B	1.9	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.64	J B	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8750		11.8	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.2		2.4	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	23.7		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.47		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.050	J	0.24	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	148000		118	7.8	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.4		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.9		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	7.1		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	11500	B	11.8	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	16.2		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	28800		23.6	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	273	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	13.6		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	4270		35.4	23.6	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (4-5)(07282021) (Continued)

Lab Sample ID: 480-187738-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	519		165	15.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.1		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	13.8		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-134 (5-6)(07282021)

Lab Sample ID: 480-187738-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.055	J	0.27	0.012	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	0.23	J	0.67	0.21	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanesulfonic acid (PFDS)	0.48		0.27	0.016	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.033	J	0.27	0.016	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.057	J	0.27	0.028	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.022	J	0.27	0.020	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.051	J	0.27	0.019	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.030	J	0.27	0.029	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.035	J	0.27	0.024	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.3		0.27	0.021	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.11	J	0.27	0.033	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.033	J	0.27	0.031	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.024	J	0.27	0.020	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.038	J	0.27	0.027	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	78800		1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	J	24	4.1	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.45	J	4.9	0.24	ug/Kg	1	✳	8260C	Total/NA
gamma-BHC (Lindane)	4.7	J B	18	3.4	ug/Kg	10	✳	8081B	Total/NA
Aluminum	10400		11.8	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.6		2.4	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	54.3		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.58		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.27		0.24	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	78600	B	58.9	3.9	mg/Kg	1	✳	6010C	Total/NA
Chromium	10.7		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.0		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	9.6		1.2	0.25	mg/Kg	1	✳	6010C	Total/NA
Iron	13800	B	11.8	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	14.9		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	14500		23.6	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	308	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	14.5		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3430		35.4	23.6	mg/Kg	1	✳	6010C	Total/NA
Silver	0.60	J	0.71	0.24	mg/Kg	1	✳	6010C	Total/NA
Sodium	152	J	165	15.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	13.7		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	29.5		2.4	0.75	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.059		0.025	0.0058	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (10-12)(07282021)

Lab Sample ID: 480-187738-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	11	J	22	3.7	ug/Kg	1	✱	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-131 (1-2)(07272021)

Lab Sample ID: 480-187738-1

Date Collected: 07/27/21 16:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.99	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,1-Dichloroethane	4.3	U	4.3	0.53	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,2-Dichloropropane	4.3	U	4.3	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
1,4-Dichlorobenzene	4.3	U	4.3	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Acetone	22	U	22	3.6	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Bromoform	4.3	U	4.3	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Carbon disulfide	4.3	U	4.3	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Chloroethane	4.3	U TH	4.3	0.98	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Chloromethane	4.3	U TH	4.3	0.26	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Cyclohexane	4.3	U	4.3	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Dichlorodifluoromethane	4.3	U	4.3	0.36	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Methyl acetate	22	U	22	2.6	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Methylcyclohexane	4.3	U	4.3	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Styrene	4.3	U	4.3	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Toluene	4.3	U	4.3	0.33	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.45	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Trichloroethene	4.3	U	4.3	0.95	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Vinyl chloride	4.3	U TH	4.3	0.53	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1
Xylenes, Total	8.6	U	8.6	0.73	ug/Kg	☼	07/29/21 10:00	08/02/21 13:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-131 (1-2)(07272021)

Lab Sample ID: 480-187738-1

Date Collected: 07/27/21 16:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.1

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>07/29/21 10:00</i>	<i>08/02/21 13:17</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	117		64 - 126				<i>07/29/21 10:00</i>	<i>08/02/21 13:17</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	97		72 - 126				<i>07/29/21 10:00</i>	<i>08/02/21 13:17</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	104		60 - 140				<i>07/29/21 10:00</i>	<i>08/02/21 13:17</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	94		71 - 125				<i>07/29/21 10:00</i>	<i>08/02/21 13:17</i>	<i>1</i>

Client Sample ID: B-21-121 (0-1)(07282021)

Lab Sample ID: 480-187738-2

Date Collected: 07/28/21 08:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.5	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Acetone	15	J	24	4.0	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Chloromethane	4.7	U TH	4.7	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (0-1)(07282021)

Lab Sample ID: 480-187738-2

Date Collected: 07/28/21 08:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Vinyl chloride	4.7	U TH	4.7	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	07/29/21 10:00	08/02/21 13:41	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
1-Pentene	23	T J N	ug/Kg	☼	3.68	109-67-1	07/29/21 10:00	08/02/21 13:41	1
Unknown	11	T J	ug/Kg	☼	6.46		07/29/21 10:00	08/02/21 13:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/29/21 10:00	08/02/21 13:41	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/29/21 10:00	08/02/21 13:41	1
Dibromofluoromethane (Surr)	106		60 - 140	07/29/21 10:00	08/02/21 13:41	1
Toluene-d8 (Surr)	95		71 - 125	07/29/21 10:00	08/02/21 13:41	1

Client Sample ID: B-21-121 (6-6.1)(07282021)

Lab Sample ID: 480-187738-3

Date Collected: 07/28/21 08:15

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 96.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.7	U	3.7	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,1,2,2-Tetrachloroethane	3.7	U	3.7	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.7	U	3.7	0.85	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,1,2-Trichloroethane	3.7	U	3.7	0.49	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,1-Dichloroethane	3.7	U	3.7	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,1-Dichloroethene	3.7	U	3.7	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2,4-Trichlorobenzene	3.7	U	3.7	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2-Dibromo-3-Chloropropane	3.7	U	3.7	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2-Dibromoethane	3.7	U	3.7	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2-Dichlorobenzene	3.7	U	3.7	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2-Dichloroethane	3.7	U	3.7	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,2-Dichloropropane	3.7	U	3.7	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,3-Dichlorobenzene	3.7	U	3.7	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
1,4-Dichlorobenzene	3.7	U	3.7	0.52	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
2-Hexanone	2.6	J	19	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.2	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Acetone	6.9	J	19	3.2	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Benzene	0.35	J	3.7	0.18	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Bromodichloromethane	3.7	U	3.7	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Bromoform	3.7	U	3.7	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Bromomethane	3.7	U	3.7	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (6-6.1)(07282021)

Lab Sample ID: 480-187738-3

Date Collected: 07/28/21 08:15

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 96.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	3.7	U	3.7	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Carbon tetrachloride	3.7	U	3.7	0.36	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Chlorobenzene	3.7	U	3.7	0.49	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Chloroethane	3.7	U TH	3.7	0.85	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Chloroform	3.7	U	3.7	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Chloromethane	3.7	U TH	3.7	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
cis-1,2-Dichloroethene	3.7	U	3.7	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
cis-1,3-Dichloropropene	3.7	U	3.7	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Cyclohexane	3.7	U	3.7	0.52	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Dibromochloromethane	3.7	U	3.7	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Dichlorodifluoromethane	3.7	U	3.7	0.31	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Ethylbenzene	3.7	U	3.7	0.26	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Isopropylbenzene	3.7	U	3.7	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Methyl tert-butyl ether	3.7	U	3.7	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Methylcyclohexane	3.7	U	3.7	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Methylene Chloride	3.7	U	3.7	1.7	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Styrene	3.7	U	3.7	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Tetrachloroethene	3.7	U	3.7	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Toluene	0.88	J	3.7	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
trans-1,2-Dichloroethene	3.7	U	3.7	0.39	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
trans-1,3-Dichloropropene	3.7	U	3.7	1.6	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Trichloroethene	3.7	U	3.7	0.82	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Trichlorofluoromethane	3.7	U	3.7	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Vinyl chloride	3.7	U TH	3.7	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1
Xylenes, Total	0.76	J	7.5	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 14:05	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.3	T J	ug/Kg	☼	6.47		07/29/21 10:00	08/02/21 14:05	1
Unknown	8.0	T J	ug/Kg	☼	8.01		07/29/21 10:00	08/02/21 14:05	1
Octane, 3-methyl-	4.5	T J N	ug/Kg	☼	8.13	2216-33-3	07/29/21 10:00	08/02/21 14:05	1
Nonane	9.9	T J N	ug/Kg	☼	8.53	111-84-2	07/29/21 10:00	08/02/21 14:05	1
Nonane, 2-methyl-	9.3	T J N	ug/Kg	☼	9.45	871-83-0	07/29/21 10:00	08/02/21 14:05	1
Decane	9.7	T J N	ug/Kg	☼	9.91	124-18-5	07/29/21 10:00	08/02/21 14:05	1
Dodecane	6.3	T J N	ug/Kg	☼	11.00	112-40-3	07/29/21 10:00	08/02/21 14:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	07/29/21 10:00	08/02/21 14:05	1
4-Bromofluorobenzene (Surr)	95		72 - 126	07/29/21 10:00	08/02/21 14:05	1
Dibromofluoromethane (Surr)	104		60 - 140	07/29/21 10:00	08/02/21 14:05	1
Toluene-d8 (Surr)	93		71 - 125	07/29/21 10:00	08/02/21 14:05	1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
1,4-Dioxane	110	U	110	61	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4,6-Trichlorophenol	190	U	190	37	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4-Dinitrophenol	1800	U	1800	860	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Chlorophenol	360	U	360	34	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Methylnaphthalene	190	U	190	37	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Methylphenol	190	U	190	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Nitroaniline	360	U	360	28	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
2-Nitrophenol	190	U	190	53	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
3-Nitroaniline	360	U	360	52	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Bromophenyl phenyl ether	190	U	190	26	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Chloroaniline	190	U	190	46	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Methylphenol	360	U	360	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Nitroaniline	360	U	360	98	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
4-Nitrophenol	360	U	360	130	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Acenaphthene	190	U	190	28	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Acenaphthylene	190	U	190	24	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Acetophenone	190	U	190	25	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Anthracene	190	U	190	46	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Atrazine	190	U	190	65	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzaldehyde	190	U	190	150	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Biphenyl	190	U	190	28	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
bis (2-chloroisopropyl) ether	190	U	190	37	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Caprolactam	190	U	190	56	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Carbazole	190	U	190	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Chrysene	190	U	190	42	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Dibenzofuran	190	U	190	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Diethyl phthalate	190	U	190	24	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Dimethyl phthalate	190	U	190	22	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	✳	08/03/21 08:10	08/05/21 19:44	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Fluoranthene	190	U	190	20	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Fluorene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Isophorone	190	U	190	40	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Naphthalene	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Phenol	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1
Pyrene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 19:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
9-Octadecenamide, (Z)-	1000	T J N	ug/Kg	☼	12.59	301-02-0	08/03/21 08:10	08/05/21 19:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	08/03/21 08:10	08/05/21 19:44	1
2-Fluorobiphenyl (Surr)	90		60 - 120	08/03/21 08:10	08/05/21 19:44	1
2-Fluorophenol (Surr)	76		52 - 120	08/03/21 08:10	08/05/21 19:44	1
Nitrobenzene-d5 (Surr)	81		53 - 120	08/03/21 08:10	08/05/21 19:44	1
Phenol-d5 (Surr)	86		54 - 120	08/03/21 08:10	08/05/21 19:44	1
p-Terphenyl-d14 (Surr)	102		79 - 130	08/03/21 08:10	08/05/21 19:44	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
4,4'-DDT	1.9	U	1.9	0.43	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
alpha-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
beta-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
cis-Chlordane	1.9	U	1.9	0.92	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endosulfan II	1.9	U	1.9	0.33	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endrin aldehyde	1.9	U	1.9	0.47	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
gamma-BHC (Lindane)	0.60	J B	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Heptachlor	1.9	U	1.9	0.40	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	19	U	19	11	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
trans-Chlordane	1.9	U	1.9	0.59	ug/Kg	☼	08/02/21 07:53	08/03/21 11:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	98		45 - 120				08/02/21 07:53	08/03/21 11:39	1
DCB Decachlorobiphenyl	107		45 - 120				08/02/21 07:53	08/03/21 11:39	1
Tetrachloro-m-xylene	106		30 - 124				08/02/21 07:53	08/03/21 11:39	1
Tetrachloro-m-xylene	78		30 - 124				08/02/21 07:53	08/03/21 11:39	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.21	U	0.21	0.040	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1221	0.21	U	0.21	0.040	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1232	0.21	U	0.21	0.040	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1242	0.21	U	0.21	0.040	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1248	0.21	U	0.21	0.040	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1254	0.21	U	0.21	0.096	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
PCB-1260	0.21	U	0.21	0.096	mg/Kg	☼	08/02/21 08:02	08/03/21 17:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154				08/02/21 08:02	08/03/21 17:30	1
Tetrachloro-m-xylene	106		60 - 154				08/02/21 08:02	08/03/21 17:30	1
DCB Decachlorobiphenyl	137		65 - 174				08/02/21 08:02	08/03/21 17:30	1
DCB Decachlorobiphenyl	106		65 - 174				08/02/21 08:02	08/03/21 17:30	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	11	ug/Kg	☼	08/04/21 08:13	08/09/21 20:02	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	08/04/21 08:13	08/09/21 20:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129				08/04/21 08:13	08/09/21 20:02	1
2,4-Dichlorophenylacetic acid	67		28 - 129				08/04/21 08:13	08/09/21 20:02	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8400		11.4	5.0	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Antimony	17.1	U	17.1	0.46	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Arsenic	5.8		2.3	0.46	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Barium	11.9		0.57	0.13	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Beryllium	0.48		0.23	0.032	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Cadmium	0.053	J	0.23	0.034	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Calcium	158000		114	7.5	mg/Kg	☼	07/30/21 13:36	08/04/21 17:26	2
Chromium	8.8		0.57	0.23	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Cobalt	4.1		0.57	0.057	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Copper	7.8		2.3	0.48	mg/Kg	☼	07/30/21 13:36	08/04/21 17:26	2
Iron	11500	B	11.4	4.0	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Lead	14.3		1.1	0.27	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Magnesium	29000		22.8	1.1	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Manganese	266	B	0.23	0.036	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Nickel	11.1		5.7	0.26	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Potassium	4330		34.1	22.8	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Silver	0.68	U	0.68	0.23	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Sodium	161		159	14.8	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Thallium	6.8	U	6.8	0.34	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Vanadium	10.3		0.57	0.13	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1
Zinc	8.0		2.3	0.73	mg/Kg	☼	07/30/21 13:36	08/03/21 23:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0048	mg/Kg	☼	08/02/21 13:48	08/02/21 15:57	1

Client Sample ID: B-21-136 (8-8.1)(07282021)

Lab Sample ID: 480-187738-5

Date Collected: 07/28/21 11:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 99.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.89	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,1,2-Trichloroethane	3.9	U	3.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,1-Dichloroethane	3.9	U	3.9	0.47	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2-Dichlorobenzene	3.9	U	3.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2-Dichloroethane	3.9	U	3.9	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,2-Dichloropropane	3.9	U	3.9	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
1,4-Dichlorobenzene	3.9	U	3.9	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
2-Butanone (MEK)	19	U	19	1.4	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Acetone	5.1	J	19	3.3	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Bromoform	3.9	U	3.9	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Carbon disulfide	3.9	U	3.9	1.9	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Chlorobenzene	3.9	U	3.9	0.51	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Chloroethane	3.9	U TH	3.9	0.88	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Chloromethane	3.9	U TH	3.9	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Cyclohexane	3.9	U	3.9	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (8-8.1)(07282021)

Lab Sample ID: 480-187738-5

Date Collected: 07/28/21 11:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 99.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3.9	U	3.9	0.32	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Methylcyclohexane	3.9	U	3.9	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Methylene Chloride	3.9	U	3.9	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Styrene	3.9	U	3.9	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Tetrachloroethene	3.9	U	3.9	0.52	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Toluene	0.42	J	3.9	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Trichloroethene	3.9	U	3.9	0.85	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Trichlorofluoromethane	3.9	U	3.9	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Vinyl chloride	3.9	U TH	3.9	0.47	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1
Xylenes, Total	7.8	U	7.8	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 14:29	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Decane	3.9	T J N	ug/Kg	☼	9.91	124-18-5	07/29/21 10:00	08/02/21 14:29	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	115		64 - 126	07/29/21 10:00	08/02/21 14:29	1
4-Bromofluorobenzene (Surr)	96		72 - 126	07/29/21 10:00	08/02/21 14:29	1
Dibromofluoromethane (Surr)	105		60 - 140	07/29/21 10:00	08/02/21 14:29	1
Toluene-d8 (Surr)	94		71 - 125	07/29/21 10:00	08/02/21 14:29	1

Client Sample ID: B-21-136 (0-1)(07282021)

Lab Sample ID: 480-187738-6

Date Collected: 07/28/21 11:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 97.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.6	U	3.6	0.26	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,1,1,2-Tetrachloroethane	3.6	U	3.6	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.6	U	3.6	0.82	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,1,2-Trichloroethane	3.6	U	3.6	0.47	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,1-Dichloroethane	3.6	U	3.6	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,1-Dichloroethene	3.6	U	3.6	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2,4-Trichlorobenzene	3.6	U	3.6	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2-Dibromo-3-Chloropropane	3.6	U	3.6	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2-Dibromoethane	3.6	U	3.6	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2-Dichlorobenzene	3.6	U	3.6	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2-Dichloroethane	3.6	U	3.6	0.18	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,2-Dichloropropane	3.6	U	3.6	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,3-Dichlorobenzene	3.6	U	3.6	0.19	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
1,4-Dichlorobenzene	3.6	U	3.6	0.51	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
2-Butanone (MEK)	18	U	18	1.3	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
2-Hexanone	18	U	18	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
4-Methyl-2-pentanone (MIBK)	18	U	18	1.2	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Acetone	5.6	J	18	3.0	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (0-1)(07282021)

Lab Sample ID: 480-187738-6

Date Collected: 07/28/21 11:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 97.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	3.6	U	3.6	0.18	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Bromodichloromethane	3.6	U	3.6	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Bromoform	3.6	U	3.6	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Bromomethane	3.6	U	3.6	0.32	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Carbon disulfide	3.6	U	3.6	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Carbon tetrachloride	3.6	U	3.6	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Chlorobenzene	3.6	U	3.6	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Chloroethane	3.6	U TH	3.6	0.82	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Chloroform	3.6	U	3.6	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Chloromethane	3.6	U TH	3.6	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
cis-1,2-Dichloroethene	3.6	U	3.6	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
cis-1,3-Dichloropropene	3.6	U	3.6	0.52	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Cyclohexane	3.6	U	3.6	0.51	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Dibromochloromethane	3.6	U	3.6	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Dichlorodifluoromethane	3.6	U	3.6	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Ethylbenzene	3.6	U	3.6	0.25	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Isopropylbenzene	3.6	U	3.6	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Methyl acetate	18	U	18	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Methyl tert-butyl ether	3.6	U	3.6	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Methylcyclohexane	3.6	U	3.6	0.55	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Methylene Chloride	3.6	U	3.6	1.7	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Styrene	3.6	U	3.6	0.18	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Tetrachloroethene	3.6	U	3.6	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Toluene	3.6	U	3.6	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
trans-1,2-Dichloroethene	3.6	U	3.6	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
trans-1,3-Dichloropropene	3.6	U	3.6	1.6	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Trichloroethene	3.6	U	3.6	0.79	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Trichlorofluoromethane	3.6	U	3.6	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Vinyl chloride	3.6	U TH	3.6	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1
Xylenes, Total	7.2	U	7.2	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 14:54	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 10:00	08/02/21 14:54	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		64 - 126	07/29/21 10:00	08/02/21 14:54	1
4-Bromofluorobenzene (Surr)	96		72 - 126	07/29/21 10:00	08/02/21 14:54	1
Dibromofluoromethane (Surr)	107		60 - 140	07/29/21 10:00	08/02/21 14:54	1
Toluene-d8 (Surr)	96		71 - 125	07/29/21 10:00	08/02/21 14:54	1

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Date Collected: 07/28/21 12:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Date Collected: 07/28/21 12:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Acetone	5.5	J	24	4.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Chloromethane	4.9	U TH	4.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Methyl acetate	24	U	24	3.0	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Vinyl chloride	4.9	U TH	4.9	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	07/29/21 10:00	08/02/21 15:18	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 10:00	08/02/21 15:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	07/29/21 10:00	08/02/21 15:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Date Collected: 07/28/21 12:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 91.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	94		72 - 126	07/29/21 10:00	08/02/21 15:18	1
Dibromofluoromethane (Surr)	107		60 - 140	07/29/21 10:00	08/02/21 15:18	1
Toluene-d8 (Surr)	92		71 - 125	07/29/21 10:00	08/02/21 15:18	1

Client Sample ID: B-21-135 (9-10)(07282021)

Lab Sample ID: 480-187738-8

Date Collected: 07/28/21 13:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.75	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,1,2-Trichloroethane	4.6	U	4.6	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,1-Dichloroethene	4.6	U	4.6	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2-Dibromoethane	4.6	U	4.6	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,3-Dichlorobenzene	4.6	U	4.6	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
1,4-Dichlorobenzene	4.6	U	4.6	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Acetone	7.7	J	23	3.9	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Benzene	4.6	U	4.6	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Bromodichloromethane	4.6	U	4.6	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Bromomethane	4.6	U	4.6	0.42	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Carbon tetrachloride	4.6	U	4.6	0.45	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Chlorobenzene	4.6	U	4.6	0.61	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Chloroethane	4.6	U TH	4.6	1.0	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Chloroform	4.6	U	4.6	0.29	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Chloromethane	4.6	U TH	4.6	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Cyclohexane	4.6	U	4.6	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Dibromochloromethane	4.6	U	4.6	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Dichlorodifluoromethane	4.6	U	4.6	0.38	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Ethylbenzene	4.6	U	4.6	0.32	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Isopropylbenzene	4.6	U	4.6	0.70	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Methylcyclohexane	4.6	U	4.6	0.70	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (9-10)(07282021)

Lab Sample ID: 480-187738-8

Date Collected: 07/28/21 13:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Tetrachloroethene	4.6	U	4.6	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Toluene	4.6	U	4.6	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Trichlorofluoromethane	4.6	U	4.6	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Vinyl chloride	4.6	U TH	4.6	0.56	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1
Xylenes, Total	9.2	U	9.2	0.78	ug/Kg	☼	07/29/21 10:00	08/02/21 15:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 10:00	08/02/21 15:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		64 - 126	07/29/21 10:00	08/02/21 15:43	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/29/21 10:00	08/02/21 15:43	1
Dibromofluoromethane (Surr)	110		60 - 140	07/29/21 10:00	08/02/21 15:43	1
Toluene-d8 (Surr)	95		71 - 125	07/29/21 10:00	08/02/21 15:43	1

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
2-Nitrophenol	190	U	190	54	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
3,3'-Dichlorobenzidine	370	U	370	230	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
3-Nitroaniline	370	U	370	53	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Methylphenol	370	U	370	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
4-Nitroaniline	370	U	370	100	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	370	U	370	130	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Acenaphthene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Anthracene	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Atrazine	190	U	190	67	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzo[g,h,i]perylene	24	J	190	20	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Biphenyl	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Caprolactam	190	U	190	58	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Carbazole	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Chrysene	190	U	190	43	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Fluoranthene	46	J	190	20	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Fluorene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Isophorone	190	U	190	41	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Phenol	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1
Pyrene	33	J	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	580	T J	ug/Kg	☼	3.06		08/03/21 08:10	08/05/21 20:08	1
Erucylamide	780	T J N	ug/Kg	☼	13.71	112-84-5	08/03/21 08:10	08/05/21 20:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	98		54 - 120	08/03/21 08:10	08/05/21 20:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl (Surr)	81		60 - 120	08/03/21 08:10	08/05/21 20:08	1
2-Fluorophenol (Surr)	72		52 - 120	08/03/21 08:10	08/05/21 20:08	1
Nitrobenzene-d5 (Surr)	69		53 - 120	08/03/21 08:10	08/05/21 20:08	1
Phenol-d5 (Surr)	77		54 - 120	08/03/21 08:10	08/05/21 20:08	1
p-Terphenyl-d14 (Surr)	99		79 - 130	08/03/21 08:10	08/05/21 20:08	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endrin aldehyde	1.1	J B	1.9	0.49	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
gamma-BHC (Lindane)	0.55	J B	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	☼	08/02/21 07:53	08/03/21 11:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		45 - 120	08/02/21 07:53	08/03/21 11:59	1
DCB Decachlorobiphenyl	89		45 - 120	08/02/21 07:53	08/03/21 11:59	1
Tetrachloro-m-xylene	82		30 - 124	08/02/21 07:53	08/03/21 11:59	1
Tetrachloro-m-xylene	63		30 - 124	08/02/21 07:53	08/03/21 11:59	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	08/02/21 08:02	08/03/21 17:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	105		60 - 154	08/02/21 08:02	08/03/21 17:43	1
Tetrachloro-m-xylene	108		60 - 154	08/02/21 08:02	08/03/21 17:43	1
DCB Decachlorobiphenyl	131		65 - 174	08/02/21 08:02	08/03/21 17:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	103		65 - 174	08/02/21 08:02	08/03/21 17:43	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☆	08/04/21 08:13	08/09/21 20:31	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☆	08/04/21 08:13	08/09/21 20:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	67		28 - 129	08/04/21 08:13	08/09/21 20:31	1
2,4-Dichlorophenylacetic acid	66		28 - 129	08/04/21 08:13	08/09/21 20:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9130		11.0	4.8	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Antimony	16.5	U	16.5	0.44	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Arsenic	5.0		2.2	0.44	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Barium	26.1		0.55	0.12	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Beryllium	0.48		0.22	0.031	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Cadmium	0.044	J	0.22	0.033	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Calcium	145000		110	7.2	mg/Kg	☆	07/30/21 13:36	08/04/21 17:29	2
Chromium	11.2		0.55	0.22	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Cobalt	4.9		0.55	0.055	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Copper	9.8		2.2	0.46	mg/Kg	☆	07/30/21 13:36	08/04/21 17:29	2
Iron	11800	B	11.0	3.8	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Lead	15.0		1.1	0.26	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Magnesium	25300		22.0	1.0	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Manganese	278	B	0.22	0.035	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Nickel	11.8		5.5	0.25	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Potassium	4110		33.0	22.0	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Silver	0.24	J	0.66	0.22	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Sodium	189		154	14.3	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Thallium	6.6	U	6.6	0.33	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Vanadium	11.5		0.55	0.12	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1
Zinc	11.1		2.2	0.70	mg/Kg	☆	07/30/21 13:36	08/03/21 23:59	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0053	J	0.016	0.0037	mg/Kg	☆	08/02/21 13:48	08/02/21 15:59	1

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☆	08/03/21 08:10	08/05/21 20:33	1
1,4-Dioxane	110	U	110	63	ug/Kg	☆	08/03/21 08:10	08/05/21 20:33	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☆	08/03/21 08:10	08/05/21 20:33	1
2,4,5-Trichlorophenol	190	U	190	53	ug/Kg	☆	08/03/21 08:10	08/05/21 20:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2,4-Dichlorophenol	190	U	190	21	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Chlorophenol	380	U	380	35	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Acenaphthene	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Anthracene	190	U	190	48	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Atrazine	190	U	190	67	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzo[a]pyrene	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzo[g,h,i]perylene	190	U	190	21	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Biphenyl	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Caprolactam	190	U	190	58	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Carbazole	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Chrysene	190	U	190	43	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Fluoranthene	28	J	190	21	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Hexachlorobutadiene	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Isophorone	190	U	190	41	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Phenanthrene	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Phenol	190	U	190	30	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1
Pyrene	190	U	190	23	ug/Kg	☼	08/03/21 08:10	08/05/21 20:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	530	T J	ug/Kg	☼	3.01		08/03/21 08:10	08/05/21 20:33	1
Ethane, 1,1,2,2-tetrachloro-	220	T J N	ug/Kg	☼	4.23	79-34-5	08/03/21 08:10	08/05/21 20:33	1
Unknown	160	T J	ug/Kg	☼	4.98		08/03/21 08:10	08/05/21 20:33	1
Unknown	660	T J	ug/Kg	☼	13.71		08/03/21 08:10	08/05/21 20:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	100		54 - 120	08/03/21 08:10	08/05/21 20:33	1
2-Fluorobiphenyl (Surr)	88		60 - 120	08/03/21 08:10	08/05/21 20:33	1
2-Fluorophenol (Surr)	70		52 - 120	08/03/21 08:10	08/05/21 20:33	1
Nitrobenzene-d5 (Surr)	74		53 - 120	08/03/21 08:10	08/05/21 20:33	1
Phenol-d5 (Surr)	78		54 - 120	08/03/21 08:10	08/05/21 20:33	1
p-Terphenyl-d14 (Surr)	103		79 - 130	08/03/21 08:10	08/05/21 20:33	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
cis-Chlordane	1.9	U	1.9	0.93	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endrin aldehyde	0.92	J B	1.9	0.48	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Endrin ketone	1.9	U	1.9	0.46	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
gamma-BHC (Lindane)	0.64	J B	1.9	0.34	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	08/02/21 07:53	08/03/21 12:18	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	71		45 - 120				08/02/21 07:53	08/03/21 12:18	1
DCB Decachlorobiphenyl	83		45 - 120				08/02/21 07:53	08/03/21 12:18	1
Tetrachloro-m-xylene	85		30 - 124				08/02/21 07:53	08/03/21 12:18	1
Tetrachloro-m-xylene	59		30 - 124				08/02/21 07:53	08/03/21 12:18	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.055	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1221	0.28	U	0.28	0.055	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1232	0.28	U	0.28	0.055	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1242	0.28	U	0.28	0.055	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1248	0.28	U	0.28	0.055	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	08/02/21 08:02	08/03/21 17:55	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	95		60 - 154				08/02/21 08:02	08/03/21 17:55	1
Tetrachloro-m-xylene	98		60 - 154				08/02/21 08:02	08/03/21 17:55	1
DCB Decachlorobiphenyl	122		65 - 174				08/02/21 08:02	08/03/21 17:55	1
DCB Decachlorobiphenyl	96		65 - 174				08/02/21 08:02	08/03/21 17:55	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	08/04/21 08:13	08/09/21 21:01	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	☼	08/04/21 08:13	08/09/21 21:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	74		28 - 129				08/04/21 08:13	08/09/21 21:01	1
2,4-Dichlorophenylacetic acid	76		28 - 129				08/04/21 08:13	08/09/21 21:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8750		11.8	5.2	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Antimony	17.7	U	17.7	0.47	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Arsenic	5.2		2.4	0.47	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Barium	23.7		0.59	0.13	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Beryllium	0.47		0.24	0.033	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Cadmium	0.050	J	0.24	0.035	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Calcium	148000		118	7.8	mg/Kg	☼	07/30/21 13:36	08/04/21 17:33	2
Chromium	9.4		0.59	0.24	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Cobalt	6.9		0.59	0.059	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Copper	7.1		2.4	0.50	mg/Kg	☼	07/30/21 13:36	08/04/21 17:33	2
Iron	11500	B	11.8	4.1	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Lead	16.2		1.2	0.28	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Magnesium	28800		23.6	1.1	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Manganese	273	B	0.24	0.038	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	13.6		5.9	0.27	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Potassium	4270		35.4	23.6	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Sodium	519		165	15.3	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Thallium	7.1	U	7.1	0.35	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Vanadium	11.1		0.59	0.13	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1
Zinc	13.8		2.4	0.76	mg/Kg	☼	07/30/21 13:36	08/04/21 00:03	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0053	mg/Kg	☼	08/02/21 13:48	08/02/21 16:00	1

Client Sample ID: B-21-134 (5-6)(07282021)

Lab Sample ID: 480-187738-11

Date Collected: 07/28/21 14:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 74.5

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.7	U	2.7	0.021	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.7	U	2.7	0.041	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.7	U	2.7	0.061	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.7	U	2.7	0.049	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorobutanesulfonic acid (PFBS)	0.055	J	0.27	0.012	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorobutanoic acid (PFBA)	0.23	J	0.67	0.21	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorodecanesulfonic acid (PFDS)	0.48		0.27	0.016	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorodecanoic acid (PFDA)	0.033	J	0.27	0.016	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorododecanoic acid (PFDoA)	0.057	J	0.27	0.028	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.022	J	0.27	0.020	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluoroheptanoic acid (PFHpA)	0.27	U	0.27	0.027	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorohexanesulfonic acid (PFHxS)	0.051	J	0.27	0.019	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorohexanoic acid (PFHxA)	0.030	J	0.27	0.029	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorononanoic acid (PFNA)	0.035	J	0.27	0.024	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorooctanesulfonamide (PFOSA)	0.27	U	0.27	0.023	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorooctanesulfonic acid (PFOS)	5.3		0.27	0.021	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorooctanoic acid (PFOA)	0.11	J	0.27	0.033	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluoropentanoic acid (PFPeA)	0.27	U	0.27	0.052	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorotetradecanoic acid (PFTeA)	0.033	J	0.27	0.031	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluorotridecanoic acid (PFTriA)	0.024	J	0.27	0.020	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1
Perfluoroundecanoic acid (PFUnA)	0.038	J	0.27	0.027	ug/Kg	☼	07/30/21 13:13	08/02/21 15:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (5-6)(07282021)

Lab Sample ID: 480-187738-11

Date Collected: 07/28/21 14:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 74.5

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	93		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C2 PFDoA	97		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C2 PFHxA	94		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C2 PFTeDA	96		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C2 PFUnA	91		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C3 PFBS	92		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C4 PFBA	94		25 - 150	07/30/21 13:13	08/02/21 15:34	1
13C4 PFHpA	92		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C4 PFOA	92		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C4 PFOS	89		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C5 PFNA	90		50 - 150	07/30/21 13:13	08/02/21 15:34	1
13C5 PFPeA	94		25 - 150	07/30/21 13:13	08/02/21 15:34	1
13C8 FOSA	80		25 - 150	07/30/21 13:13	08/02/21 15:34	1
18O2 PFHxS	91		50 - 150	07/30/21 13:13	08/02/21 15:34	1
d3-NMeFOSAA	83		50 - 150	07/30/21 13:13	08/02/21 15:34	1
d5-NEtFOSAA	96		50 - 150	07/30/21 13:13	08/02/21 15:34	1
M2-6:2 FTS	107		25 - 150	07/30/21 13:13	08/02/21 15:34	1
M2-8:2 FTS	105		25 - 150	07/30/21 13:13	08/02/21 15:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	78800		1000	671	mg/Kg			08/11/21 13:04	1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
2-Hexanone	24	U	24	2.4	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
Acetone	23	J	24	4.1	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
Benzene	0.45	J	4.9	0.24	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	✱	07/29/21 10:00	08/02/21 16:07	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	4.9	U	4.9	2.4	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Chloroethane	4.9	U TH	4.9	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Chloromethane	4.9	U TH	4.9	0.30	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Methyl acetate	24	U	24	3.0	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Toluene	4.9	U	4.9	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Vinyl chloride	4.9	U TH	4.9	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1
Xylenes, Total	9.8	U	9.8	0.82	ug/Kg	☼	07/29/21 10:00	08/02/21 16:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 10:00	08/02/21 16:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		64 - 126	07/29/21 10:00	08/02/21 16:07	1
4-Bromofluorobenzene (Surr)	91		72 - 126	07/29/21 10:00	08/02/21 16:07	1
Dibromofluoromethane (Surr)	108		60 - 140	07/29/21 10:00	08/02/21 16:07	1
Toluene-d8 (Surr)	96		71 - 125	07/29/21 10:00	08/02/21 16:07	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
1,4-Dioxane	110	U	110	61	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4-Dinitrophenol	1800	U	1800	870	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
2-Chlorophenol	360	U	360	34	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	190	U	190	38	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
2-Methylphenol	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
2-Nitroaniline	360	U	360	28	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
2-Nitrophenol	190	U	190	53	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
3-Nitroaniline	360	U	360	52	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Chloroaniline	190	U	190	46	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Methylphenol	360	U	360	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Nitroaniline	360	U	360	98	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
4-Nitrophenol	360	U	360	130	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Acenaphthene	190	U	190	28	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Acenaphthylene	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Acetophenone	190	U	190	25	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Anthracene	190	U	190	46	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Atrazine	190	U	190	65	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Biphenyl	190	U	190	28	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Caprolactam	190	U	190	56	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Carbazole	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Chrysene	190	U	190	42	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Dibenzofuran	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Diethyl phthalate	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Dimethyl phthalate	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Fluoranthene	190	U	190	20	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Fluorene	190	U	190	22	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Hexachlorobenzene	190	U	190	25	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Hexachloroethane	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Isophorone	190	U	190	40	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1
Naphthalene	190	U	190	24	ug/Kg	✱	08/03/21 08:10	08/05/21 20:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	190	U	190	21	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
Phenol	190	U	190	29	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1
Pyrene	190	U	190	22	ug/Kg	☼	08/03/21 08:10	08/05/21 20:58	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	380	T J	ug/Kg	☼	3.06		08/03/21 08:10	08/05/21 20:58	1
Ethane, 1,1,2,2-tetrachloro-	240	T J N	ug/Kg	☼	4.26	79-34-5	08/03/21 08:10	08/05/21 20:58	1
Cyclic octaatomic sulfur	190	T J N	ug/Kg	☼	11.83	10544-50-0	08/03/21 08:10	08/05/21 20:58	1
Erucylamide	210	T J N	ug/Kg	☼	13.71	112-84-5	08/03/21 08:10	08/05/21 20:58	1
Unknown	270	T J	ug/Kg	☼	15.27		08/03/21 08:10	08/05/21 20:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	104		54 - 120	08/03/21 08:10	08/05/21 20:58	1
2-Fluorobiphenyl (Surr)	92		60 - 120	08/03/21 08:10	08/05/21 20:58	1
2-Fluorophenol (Surr)	80		52 - 120	08/03/21 08:10	08/05/21 20:58	1
Nitrobenzene-d5 (Surr)	81		53 - 120	08/03/21 08:10	08/05/21 20:58	1
Phenol-d5 (Surr)	87		54 - 120	08/03/21 08:10	08/05/21 20:58	1
p-Terphenyl-d14 (Surr)	103		79 - 130	08/03/21 08:10	08/05/21 20:58	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	18	U	18	3.6	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
4,4'-DDE	18	U	18	3.8	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
4,4'-DDT	18	U	18	4.3	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Aldrin	18	U	18	4.5	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
alpha-BHC	18	U	18	3.3	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
beta-BHC	18	U	18	3.3	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
cis-Chlordane	18	U	18	9.1	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
delta-BHC	18	U	18	3.4	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Dieldrin	18	U	18	4.4	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endosulfan I	18	U	18	3.5	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endosulfan II	18	U	18	3.3	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endosulfan sulfate	18	U	18	3.4	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endrin	18	U	18	3.6	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endrin aldehyde	18	U	18	4.7	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Endrin ketone	18	U	18	4.5	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
gamma-BHC (Lindane)	4.7	J B	18	3.4	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Heptachlor	18	U	18	4.0	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Heptachlor epoxide	18	U	18	4.7	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Methoxychlor	18	U	18	3.7	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
Toxaphene	180	U	180	110	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10
trans-Chlordane	18	U	18	5.8	ug/Kg	☼	08/02/21 07:53	08/03/21 12:38	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		45 - 120	08/02/21 07:53	08/03/21 12:38	10
DCB Decachlorobiphenyl	104		45 - 120	08/02/21 07:53	08/03/21 12:38	10

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		30 - 124	08/02/21 07:53	08/03/21 12:38	10
Tetrachloro-m-xylene	98		30 - 124	08/02/21 07:53	08/03/21 12:38	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.044	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1221	0.23	U	0.23	0.044	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1232	0.23	U	0.23	0.044	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1242	0.23	U	0.23	0.044	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1248	0.23	U	0.23	0.044	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	☆	08/02/21 08:02	08/03/21 18:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	08/02/21 08:02	08/03/21 18:08	1
Tetrachloro-m-xylene	113		60 - 154	08/02/21 08:02	08/03/21 18:08	1
DCB Decachlorobiphenyl	140		65 - 174	08/02/21 08:02	08/03/21 18:08	1
DCB Decachlorobiphenyl	109		65 - 174	08/02/21 08:02	08/03/21 18:08	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	12	ug/Kg	☆	08/04/21 08:13	08/09/21 21:31	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☆	08/04/21 08:13	08/09/21 21:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	77		28 - 129	08/04/21 08:13	08/09/21 21:31	1
2,4-Dichlorophenylacetic acid	72		28 - 129	08/04/21 08:13	08/09/21 21:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10400		11.8	5.2	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Antimony	17.7	U	17.7	0.47	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Arsenic	5.6		2.4	0.47	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Barium	54.3		0.59	0.13	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Beryllium	0.58		0.24	0.033	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Cadmium	0.27		0.24	0.035	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Calcium	78600	B	58.9	3.9	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Chromium	10.7		0.59	0.24	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Cobalt	6.0		0.59	0.059	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Copper	9.6		1.2	0.25	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Iron	13800	B	11.8	4.1	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Lead	14.9		1.2	0.28	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Magnesium	14500		23.6	1.1	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Manganese	308	B	0.24	0.038	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Nickel	14.5		5.9	0.27	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Potassium	3430		35.4	23.6	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Silver	0.60	J	0.71	0.24	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Sodium	152	J	165	15.3	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1
Thallium	7.1	U	7.1	0.35	mg/Kg	☆	07/30/21 13:36	08/04/21 00:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	13.7		0.59	0.13	mg/Kg	☼	07/30/21 13:36	08/04/21 00:06	1
Zinc	29.5		2.4	0.75	mg/Kg	☼	07/30/21 13:36	08/04/21 00:06	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.059		0.025	0.0058	mg/Kg	☼	08/02/21 13:48	08/02/21 16:04	1

Client Sample ID: B-21-134 (10-12)(07282021)

Lab Sample ID: 480-187738-13

Date Collected: 07/28/21 15:05

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.32	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.72	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,1-Dichloroethane	4.5	U	4.5	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,1-Dichloroethene	4.5	U	4.5	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2-Dibromoethane	4.5	U	4.5	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
1,4-Dichlorobenzene	4.5	U	4.5	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Acetone	11	J	22	3.7	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Cyclohexane	4.5	U	4.5	0.62	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Isopropylbenzene	4.5	U	4.5	0.67	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (10-12)(07282021)

Lab Sample ID: 480-187738-13

Date Collected: 07/28/21 15:05

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Methylene Chloride	4.5	U	4.5	2.0	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Trichloroethene	4.5	U	4.5	0.98	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Vinyl chloride	4.5	U TH	4.5	0.54	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1
Xylenes, Total	8.9	U	8.9	0.75	ug/Kg	☼	07/29/21 10:00	08/02/21 16:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			07/29/21 10:00	08/02/21 16:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126	07/29/21 10:00	08/02/21 16:31	1
4-Bromofluorobenzene (Surr)	93		72 - 126	07/29/21 10:00	08/02/21 16:31	1
Dibromofluoromethane (Surr)	109		60 - 140	07/29/21 10:00	08/02/21 16:31	1
Toluene-d8 (Surr)	95		71 - 125	07/29/21 10:00	08/02/21 16:31	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187738-1	B-21-131 (1-2)(07272021)	117	97	104	94
480-187738-2	B-21-121 (0-1)(07282021)	117	93	106	95
480-187738-3	B-21-121 (6-6.1)(07282021)	117	95	104	93
480-187738-5	B-21-136 (8-8.1)(07282021)	115	96	105	94
480-187738-6	B-21-136 (0-1)(07282021)	119	96	107	96
480-187738-7	B-21-135 (5-6)(07282021)	120	94	107	92
480-187738-8	B-21-135 (9-10)(07282021)	123	91	110	95
480-187738-12	B-21-134 (6-8)(07282021)	119	91	108	96
480-187738-13	B-21-134 (10-12)(07282021)	122	93	109	95
LCS 480-591328/1-A	Lab Control Sample	104	92	99	98
MB 480-591328/2-A	Method Blank	111	91	103	96

Surrogate Legend
 DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187738-4	B-21-121 (4-5)(07282021)	98	90	76	81	86	102
480-187738-9	B-21-135 (6-7)(07282021)	98	81	72	69	77	99
480-187738-10	B-21-136 (4-5)(07282021)	100	88	70	74	78	103
480-187738-12	B-21-134 (6-8)(07282021)	104	92	80	81	87	103
LCS 480-591428/2-A	Lab Control Sample	99	93	83	86	88	99
MB 480-591428/1-A	Method Blank	90	88	80	82	86	102

Surrogate Legend
 TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187738-4	B-21-121 (4-5)(07282021)	98	107	106	78
480-187738-9	B-21-135 (6-7)(07282021)	75	89	82	63
480-187738-10	B-21-136 (4-5)(07282021)	71	83	85	59
480-187738-12	B-21-134 (6-8)(07282021)	102	104	82	98
LCS 480-591257/2-A	Lab Control Sample	97	91	84	70
MB 480-591257/1-A	Method Blank	76	83	73	64

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187738-4	B-21-121 (4-5)(07282021)	106	110	106	137
480-187738-9	B-21-135 (6-7)(07282021)	108	105	103	131
480-187738-10	B-21-136 (4-5)(07282021)	98	95	96	122
480-187738-12	B-21-134 (6-8)(07282021)	113	113	109	140
LCS 480-591258/2-A	Lab Control Sample	120	125	120	154
MB 480-591258/1-A	Method Blank	109	113	107	141

Surrogate Legend

TCX = Tetrachloro-m-xylene
DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187738-4	B-21-121 (4-5)(07282021)	73	67
480-187738-9	B-21-135 (6-7)(07282021)	67	66
480-187738-10	B-21-136 (4-5)(07282021)	74	76
480-187738-12	B-21-134 (6-8)(07282021)	77	72
LCS 480-591614/2-A	Lab Control Sample	87	73
MB 480-591614/1-A	Method Blank	78	74

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187738-11	B-21-134 (5-6)(07282021)	93	97	94	96	91	92	94	92
LCS 200-169667/2-A	Lab Control Sample	89	83	101	77	86	99	101	97
MB 200-169667/1-A	Method Blank	93	71	102	75	82	98	98	97

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187738-11	B-21-134 (5-6)(07282021)	92	89	90	94	80	91	83	96
LCS 200-169667/2-A	Lab Control Sample	96	91	95	103	91	95	92	95
MB 200-169667/1-A	Method Blank	95	88	91	98	77	91	88	86

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187738-11	B-21-134 (5-6)(07282021)	107	105
LCS 200-169667/2-A	Lab Control Sample	102	94
MB 200-169667/1-A	Method Blank	101	97

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-591328/2-A

Matrix: Solid

Analysis Batch: 591268

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591328

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Acetone	25	U	25	4.2	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/02/21 10:08	08/02/21 11:30	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/02/21 10:08	08/02/21 11:30	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591328/2-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591328

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>08/02/21 10:08</i>	<i>08/02/21 11:30</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>111</i>		<i>64 - 126</i>	<i>08/02/21 10:08</i>	<i>08/02/21 11:30</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>91</i>		<i>72 - 126</i>	<i>08/02/21 10:08</i>	<i>08/02/21 11:30</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>60 - 140</i>	<i>08/02/21 10:08</i>	<i>08/02/21 11:30</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>96</i>		<i>71 - 125</i>	<i>08/02/21 10:08</i>	<i>08/02/21 11:30</i>	<i>1</i>

Lab Sample ID: LCS 480-591328/1-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591328

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	55.3		ug/Kg		111	77 - 121
1,1,2,2-Tetrachloroethane	50.0	48.3		ug/Kg		97	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.0		ug/Kg		92	60 - 140
1,1,2-Trichloroethane	50.0	49.1		ug/Kg		98	78 - 122
1,1-Dichloroethane	50.0	53.8		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	50.2		ug/Kg		100	59 - 125
1,2,4-Trichlorobenzene	50.0	44.2		ug/Kg		88	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	48.3		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	48.8		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	54.6		ug/Kg		109	77 - 122
1,2-Dichloropropane	50.0	50.0		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	52.4		ug/Kg		105	74 - 120
1,4-Dichlorobenzene	50.0	52.2		ug/Kg		104	73 - 120
2-Butanone (MEK)	250	213		ug/Kg		85	70 - 134
2-Hexanone	250	238		ug/Kg		95	59 - 130
4-Methyl-2-pentanone (MIBK)	250	229		ug/Kg		92	65 - 133
Acetone	250	207		ug/Kg		83	61 - 137
Benzene	50.0	52.3		ug/Kg		105	79 - 127
Bromodichloromethane	50.0	57.9		ug/Kg		116	80 - 122
Bromoform	50.0	48.8		ug/Kg		98	68 - 126
Bromomethane	50.0	73.8		ug/Kg		148	37 - 149
Carbon disulfide	50.0	50.1		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	60.0		ug/Kg		120	75 - 135
Chlorobenzene	50.0	50.3		ug/Kg		101	76 - 124
Chloroethane	50.0	89.7	TH	ug/Kg		179	69 - 135
Chloroform	50.0	54.5		ug/Kg		109	80 - 120
Chloromethane	50.0	74.5	TH	ug/Kg		149	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	52.3		ug/Kg		105	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	55.4		ug/Kg		111	76 - 125
Dichlorodifluoromethane	50.0	35.7		ug/Kg		71	57 - 142
Ethylbenzene	50.0	53.8		ug/Kg		108	80 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591328/1-A
Matrix: Solid
Analysis Batch: 591268

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591328

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	52.0		ug/Kg		104	72 - 120
Methyl acetate	100	84.0		ug/Kg		84	55 - 136
Methyl tert-butyl ether	50.0	45.9		ug/Kg		92	63 - 125
Methylcyclohexane	50.0	47.1		ug/Kg		94	60 - 140
Methylene Chloride	50.0	53.2		ug/Kg		106	61 - 127
Styrene	50.0	51.0		ug/Kg		102	80 - 120
Tetrachloroethene	50.0	49.1		ug/Kg		98	74 - 122
Toluene	50.0	52.4		ug/Kg		105	74 - 128
trans-1,2-Dichloroethene	50.0	53.0		ug/Kg		106	78 - 126
Trichloroethene	50.0	50.6		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	60.3		ug/Kg		121	65 - 146
Vinyl chloride	50.0	80.0	TH	ug/Kg		160	61 - 133
Xylenes, Total	100	102		ug/Kg		102	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	104		64 - 126
4-Bromofluorobenzene (Surr)	92		72 - 126
Dibromofluoromethane (Surr)	99		60 - 140
Toluene-d8 (Surr)	98		71 - 125

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-591428/1-A
Matrix: Solid
Analysis Batch: 591848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591428

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
1,4-Dioxane	100	U	100	55	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Chlorophenol	330	U	330	31	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Methylphenol	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Nitroaniline	330	U	330	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
2-Nitrophenol	170	U	170	48	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
3-Nitroaniline	330	U	330	47	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Chloroaniline	170	U	170	42	ug/Kg		08/03/21 08:10	08/05/21 13:12	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-591428/1-A
Matrix: Solid
Analysis Batch: 591848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591428

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	DII Fac
	Result	Qualifier							
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Methylphenol	330	U	330	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Nitroaniline	330	U	330	89	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
4-Nitrophenol	330	U	330	120	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Acenaphthene	170	U	170	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Acenaphthylene	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Acetophenone	170	U	170	23	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Anthracene	170	U	170	42	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Atrazine	170	U	170	59	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzaldehyde	170	U	170	130	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Biphenyl	170	U	170	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Caprolactam	170	U	170	51	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Carbazole	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Chrysene	170	U	170	38	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Dibenzofuran	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Diethyl phthalate	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Dimethyl phthalate	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Fluoranthene	170	U	170	18	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Fluorene	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Hexachlorobenzene	170	U	170	23	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Hexachloroethane	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Isophorone	170	U	170	36	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Naphthalene	170	U	170	22	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Nitrobenzene	170	U	170	19	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Pentachlorophenol	330	U	330	170	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Phenanthrene	170	U	170	25	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Phenol	170	U	170	26	ug/Kg		08/03/21 08:10	08/05/21 13:12	1
Pyrene	170	U	170	20	ug/Kg		08/03/21 08:10	08/05/21 13:12	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-591428/1-A
Matrix: Solid
Analysis Batch: 591848

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591428

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	215	T J	ug/Kg		4.98		08/03/21 08:10	08/05/21 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120				08/03/21 08:10	08/05/21 13:12	1
2-Fluorobiphenyl (Surr)	88		60 - 120				08/03/21 08:10	08/05/21 13:12	1
2-Fluorophenol (Surr)	80		52 - 120				08/03/21 08:10	08/05/21 13:12	1
Nitrobenzene-d5 (Surr)	82		53 - 120				08/03/21 08:10	08/05/21 13:12	1
Phenol-d5 (Surr)	86		54 - 120				08/03/21 08:10	08/05/21 13:12	1
p-Terphenyl-d14 (Surr)	102		79 - 130				08/03/21 08:10	08/05/21 13:12	1

Lab Sample ID: LCS 480-591428/2-A
Matrix: Solid
Analysis Batch: 591848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1650	1000		ug/Kg		61	23 - 120
2,3,4,6-Tetrachlorophenol	1650	1540		ug/Kg		94	64 - 120
2,4,5-Trichlorophenol	1650	1640		ug/Kg		100	59 - 126
2,4,6-Trichlorophenol	1650	1600		ug/Kg		97	59 - 123
2,4-Dichlorophenol	1650	1640		ug/Kg		100	61 - 120
2,4-Dimethylphenol	1650	1640		ug/Kg		100	59 - 120
2,4-Dinitrophenol	3290	3270		ug/Kg		99	41 - 146
2,4-Dinitrotoluene	1650	1690		ug/Kg		103	63 - 120
2,6-Dinitrotoluene	1650	1620		ug/Kg		98	66 - 120
2-Chloronaphthalene	1650	1490		ug/Kg		91	57 - 120
2-Chlorophenol	1650	1450		ug/Kg		88	53 - 120
2-Methylnaphthalene	1650	1550		ug/Kg		94	59 - 120
2-Methylphenol	1650	1480		ug/Kg		90	54 - 120
2-Nitroaniline	1650	1570		ug/Kg		95	61 - 120
2-Nitrophenol	1650	1510		ug/Kg		92	56 - 120
3,3'-Dichlorobenzidine	3290	2760		ug/Kg		84	54 - 120
3-Nitroaniline	1650	1500		ug/Kg		91	48 - 120
4,6-Dinitro-2-methylphenol	3290	3370		ug/Kg		102	49 - 122
4-Bromophenyl phenyl ether	1650	1660		ug/Kg		101	58 - 120
4-Chloro-3-methylphenol	1650	1720		ug/Kg		104	61 - 120
4-Chloroaniline	1650	1530		ug/Kg		93	38 - 120
4-Chlorophenyl phenyl ether	1650	1650		ug/Kg		100	63 - 124
4-Methylphenol	1650	1570		ug/Kg		96	55 - 120
4-Nitroaniline	1650	1700		ug/Kg		103	56 - 120
4-Nitrophenol	3290	3680		ug/Kg		112	43 - 147
Acenaphthene	1650	1530		ug/Kg		93	62 - 120
Acenaphthylene	1650	1670		ug/Kg		101	58 - 121
Acetophenone	1650	1490		ug/Kg		91	54 - 120
Anthracene	1650	1690		ug/Kg		103	62 - 120
Atrazine	3290	3370		ug/Kg		102	60 - 127
Benzaldehyde	3290	2310		ug/Kg		70	10 - 150
Benzo[a]anthracene	1650	1690		ug/Kg		103	65 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-591428/2-A
Matrix: Solid
Analysis Batch: 591848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591428

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]pyrene	1650	1720		ug/Kg		104	64 - 120
Benzo[b]fluoranthene	1650	1740		ug/Kg		106	64 - 120
Benzo[g,h,i]perylene	1650	1660		ug/Kg		101	45 - 145
Benzo[k]fluoranthene	1650	1780		ug/Kg		108	65 - 120
Biphenyl	1650	1530		ug/Kg		93	59 - 120
bis (2-chloroisopropyl) ether	1650	1260		ug/Kg		76	44 - 120
Bis(2-chloroethoxy)methane	1650	1470		ug/Kg		89	55 - 120
Bis(2-chloroethyl)ether	1650	1360		ug/Kg		82	45 - 120
Bis(2-ethylhexyl) phthalate	1650	1620		ug/Kg		99	61 - 133
Butyl benzyl phthalate	1650	1590		ug/Kg		97	61 - 129
Caprolactam	3290	3200		ug/Kg		97	47 - 120
Carbazole	1650	1730		ug/Kg		105	65 - 120
Chrysene	1650	1670		ug/Kg		102	64 - 120
Dibenz(a,h)anthracene	1650	1790		ug/Kg		109	54 - 132
Dibenzofuran	1650	1640		ug/Kg		100	63 - 120
Diethyl phthalate	1650	1690		ug/Kg		103	66 - 120
Dimethyl phthalate	1650	1650		ug/Kg		101	65 - 124
Di-n-butyl phthalate	1650	1670		ug/Kg		102	58 - 130
Di-n-octyl phthalate	1650	1610		ug/Kg		98	57 - 133
Fluoranthene	1650	1680		ug/Kg		102	62 - 120
Fluorene	1650	1680		ug/Kg		102	63 - 120
Hexachlorobenzene	1650	1670		ug/Kg		101	60 - 120
Hexachlorobutadiene	1650	1520		ug/Kg		92	45 - 120
Hexachlorocyclopentadiene	1650	1470		ug/Kg		89	47 - 120
Hexachloroethane	1650	1350		ug/Kg		82	41 - 120
Indeno[1,2,3-cd]pyrene	1650	1640		ug/Kg		100	56 - 134
Isophorone	1650	1540		ug/Kg		94	56 - 120
Naphthalene	1650	1470		ug/Kg		89	55 - 120
Nitrobenzene	1650	1430		ug/Kg		87	54 - 120
N-Nitrosodi-n-propylamine	1650	1450		ug/Kg		88	52 - 120
N-Nitrosodiphenylamine	1650	1650		ug/Kg		100	51 - 128
Pentachlorophenol	3290	2970		ug/Kg		90	51 - 120
Phenanthrene	1650	1700		ug/Kg		103	60 - 120
Phenol	1650	1380		ug/Kg		84	53 - 120
Pyrene	1650	1660		ug/Kg		101	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	99		54 - 120
2-Fluorobiphenyl (Surr)	93		60 - 120
2-Fluorophenol (Surr)	83		52 - 120
Nitrobenzene-d5 (Surr)	86		53 - 120
Phenol-d5 (Surr)	88		54 - 120
p-Terphenyl-d14 (Surr)	99		79 - 130

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-591257/1-A

Matrix: Solid

Analysis Batch: 591424

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591257

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
beta-BHC	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
cis-Chlordane	1.7	U	1.7	0.83	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin	1.7	U	1.7	0.33	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin aldehyde	0.713	J	1.7	0.43	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Endrin ketone	0.466	J	1.7	0.41	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
gamma-BHC (Lindane)	0.559	J	1.7	0.31	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
Toxaphene	17	U	17	9.7	ug/Kg		08/02/21 07:53	08/03/21 09:23	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		08/02/21 07:53	08/03/21 09:23	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	76		45 - 120	08/02/21 07:53	08/03/21 09:23	1
DCB Decachlorobiphenyl	83		45 - 120	08/02/21 07:53	08/03/21 09:23	1
Tetrachloro-m-xylene	73		30 - 124	08/02/21 07:53	08/03/21 09:23	1
Tetrachloro-m-xylene	64		30 - 124	08/02/21 07:53	08/03/21 09:23	1

Lab Sample ID: LCS 480-591257/2-A

Matrix: Solid

Analysis Batch: 591424

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 591257

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	Limits
		Result	Qualifier				
4,4'-DDD	16.4	16.8		ug/Kg		103	56 - 120
4,4'-DDE	16.4	13.3		ug/Kg		81	44 - 120
4,4'-DDT	16.4	17.2		ug/Kg		105	38 - 120
Aldrin	16.4	12.0		ug/Kg		74	38 - 120
alpha-BHC	16.4	11.2		ug/Kg		68	39 - 120
beta-BHC	16.4	13.9		ug/Kg		85	40 - 120
cis-Chlordane	16.4	12.3		ug/Kg		75	47 - 120
delta-BHC	16.4	12.8		ug/Kg		78	45 - 120
Dieldrin	16.4	15.6		ug/Kg		95	58 - 120
Endosulfan I	16.4	14.5		ug/Kg		89	49 - 120
Endosulfan II	16.4	17.3		ug/Kg		106	55 - 120
Endosulfan sulfate	16.4	18.8		ug/Kg		115	49 - 124
Endrin	16.4	16.4		ug/Kg		100	58 - 120
Endrin aldehyde	16.4	15.3		ug/Kg		93	37 - 121
Endrin ketone	16.4	17.8		ug/Kg		109	46 - 123

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-591257/2-A
Matrix: Solid
Analysis Batch: 591424

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
gamma-BHC (Lindane)	16.4	12.6		ug/Kg		77	50 - 120
Heptachlor	16.4	13.7		ug/Kg		84	50 - 120
Heptachlor epoxide	16.4	14.8		ug/Kg		91	50 - 120
Methoxychlor	16.4	20.1		ug/Kg		123	58 - 133
trans-Chlordane	16.4	16.2		ug/Kg		99	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	97		45 - 120
DCB Decachlorobiphenyl	91		45 - 120
Tetrachloro-m-xylene	84		30 - 124
Tetrachloro-m-xylene	70		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-591258/1-A
Matrix: Solid
Analysis Batch: 591528

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591258

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.19	U	0.19	0.038	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1221	0.19	U	0.19	0.038	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1232	0.19	U	0.19	0.038	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1242	0.19	U	0.19	0.038	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1248	0.19	U	0.19	0.038	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1254	0.19	U	0.19	0.091	mg/Kg		08/02/21 08:02	08/03/21 16:01	1
PCB-1260	0.19	U	0.19	0.091	mg/Kg		08/02/21 08:02	08/03/21 16:01	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	08/02/21 08:02	08/03/21 16:01	1
Tetrachloro-m-xylene	109		60 - 154	08/02/21 08:02	08/03/21 16:01	1
DCB Decachlorobiphenyl	141		65 - 174	08/02/21 08:02	08/03/21 16:01	1
DCB Decachlorobiphenyl	107		65 - 174	08/02/21 08:02	08/03/21 16:01	1

Lab Sample ID: LCS 480-591258/2-A
Matrix: Solid
Analysis Batch: 591528

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591258

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.24	2.85		mg/Kg		127	51 - 185
PCB-1260	2.24	3.01		mg/Kg		134	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	125		60 - 154
Tetrachloro-m-xylene	120		60 - 154
DCB Decachlorobiphenyl	154		65 - 174
DCB Decachlorobiphenyl	120		65 - 174

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-591614/1-A
Matrix: Solid
Analysis Batch: 592147

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591614

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		08/04/21 08:13	08/09/21 16:04	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		08/04/21 08:13	08/09/21 16:04	1
Surrogate	MB MB		Limits			D	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
2,4-Dichlorophenylacetic acid	78		28 - 129				08/04/21 08:13	08/09/21 16:04	1
2,4-Dichlorophenylacetic acid	74		28 - 129				08/04/21 08:13	08/09/21 16:04	1

Lab Sample ID: LCS 480-591614/2-A
Matrix: Solid
Analysis Batch: 592147

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591614

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
2,4-D	66.6	52.1		ug/Kg		78	40 - 120
Silvex (2,4,5-TP)	66.6	59.5		ug/Kg		89	39 - 125
Surrogate	LCS LCS		Limits			%Rec	Limits
	%Recovery	Qualifier					
2,4-Dichlorophenylacetic acid	87		28 - 129				
2,4-Dichlorophenylacetic acid	73		28 - 129				

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169667/1-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169667

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		07/30/21 13:13	08/02/21 14:36	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169667/1-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169667

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		07/30/21 13:13	08/02/21 14:36	1
Isotope Dilution	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C2 PFDA	93		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C2 PFDoA	71		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C2 PFHxA	102		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C2 PFTeDA	75		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C2 PFUnA	82		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C3 PFBS	98		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C4 PFBA	98		25 - 150				07/30/21 13:13	08/02/21 14:36	1
13C4 PFHpA	97		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C4 PFOA	95		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C4 PFOS	88		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C5 PFNA	91		50 - 150				07/30/21 13:13	08/02/21 14:36	1
13C5 PFPeA	98		25 - 150				07/30/21 13:13	08/02/21 14:36	1
13C8 FOSA	77		25 - 150				07/30/21 13:13	08/02/21 14:36	1
18O2 PFHxS	91		50 - 150				07/30/21 13:13	08/02/21 14:36	1
d3-NMeFOSAA	88		50 - 150				07/30/21 13:13	08/02/21 14:36	1
d5-NEtFOSAA	86		50 - 150				07/30/21 13:13	08/02/21 14:36	1
M2-6:2 FTS	101		25 - 150				07/30/21 13:13	08/02/21 14:36	1
M2-8:2 FTS	97		25 - 150				07/30/21 13:13	08/02/21 14:36	1

Lab Sample ID: LCS 200-169667/2-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	2.12		ug/Kg		111	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.99	J	ug/Kg		105	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.04		ug/Kg		102	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.00	2.44		ug/Kg		122	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.86		ug/Kg		105	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.17		ug/Kg		108	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.96		ug/Kg		102	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.15		ug/Kg		108	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.20		ug/Kg		110	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.12		ug/Kg		111	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	2.19		ug/Kg		109	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.92		ug/Kg		106	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	2.12		ug/Kg		106	70 - 130

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169667/2-A
Matrix: Solid
Analysis Batch: 169721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169667

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorononanoic acid (PFNA)	2.00	2.31		ug/Kg		116	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.07		ug/Kg		103	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	2.03		ug/Kg		110	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	2.14		ug/Kg		107	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	2.03		ug/Kg		101	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.24		ug/Kg		112	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.12		ug/Kg		106	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.42		ug/Kg		121	70 - 130

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFDA	89		50 - 150
13C2 PFDoA	83		50 - 150
13C2 PFHxA	101		50 - 150
13C2 PFTeDA	77		50 - 150
13C2 PFUnA	86		50 - 150
13C3 PFBS	99		50 - 150
13C4 PFBA	101		25 - 150
13C4 PFHpA	97		50 - 150
13C4 PFOA	96		50 - 150
13C4 PFOS	91		50 - 150
13C5 PFNA	95		50 - 150
13C5 PFPeA	103		25 - 150
13C8 FOSA	91		25 - 150
18O2 PFHxS	95		50 - 150
d3-NMeFOSAA	92		50 - 150
d5-NEtFOSAA	95		50 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	94		25 - 150

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-591143/1-A
Matrix: Solid
Analysis Batch: 591671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10.4	U	10.4	4.6	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Antimony	15.7	U	15.7	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Arsenic	2.1	U	2.1	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Barium	0.52	U	0.52	0.11	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Beryllium	0.21	U	0.21	0.029	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Cadmium	0.21	U	0.21	0.031	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Calcium	4.24	J	52.2	3.4	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Chromium	0.52	U	0.52	0.21	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Cobalt	0.52	U	0.52	0.052	mg/Kg		07/30/21 13:36	08/03/21 22:34	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-591143/1-A
Matrix: Solid
Analysis Batch: 591671

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591143

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Copper	1.0	U	1.0	0.22	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Iron	6.97	J	10.4	3.7	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Lead	1.0	U	1.0	0.25	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Magnesium	20.9	U	20.9	0.97	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Manganese	0.0511	J	0.21	0.033	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Nickel	5.2	U	5.2	0.24	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Potassium	31.3	U	31.3	20.9	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Selenium	4.2	U	4.2	0.42	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Silver	0.63	U	0.63	0.21	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Sodium	146	U	146	13.6	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Thallium	6.3	U	6.3	0.31	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Vanadium	0.52	U	0.52	0.11	mg/Kg		07/30/21 13:36	08/03/21 22:34	1
Zinc	2.1	U	2.1	0.67	mg/Kg		07/30/21 13:36	08/03/21 22:34	1

Lab Sample ID: LCSSRM 480-591143/2-A
Matrix: Solid
Analysis Batch: 591671

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591143

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	8190	9760		mg/Kg		119.2	50.1 - 150.2	
Antimony	110	84.68		mg/Kg		77.0	22.2 - 254.5	
Arsenic	162	143.2		mg/Kg		88.4	70.4 - 130.2	
Barium	138	135.0		mg/Kg		97.8	74.6 - 124.6	
Beryllium	157	165.2		mg/Kg		105.2	75.2 - 125.5	
Cadmium	135	138.7		mg/Kg		102.8	74.8 - 124.4	
Calcium	4790	4694		mg/Kg		98.0	72.7 - 127.3	
Chromium	117	118.2		mg/Kg		101.1	70.1 - 129.9	
Cobalt	92.6	98.09		mg/Kg		105.9	75.1 - 125.3	
Copper	143	127.7		mg/Kg		89.3	74.8 - 124.5	
Iron	15100	13890		mg/Kg		92.0	37.2 - 162.9	
Lead	77.6	73.02		mg/Kg		94.1	68.8 - 131.4	
Magnesium	2320	2283		mg/Kg		98.4	62.1 - 137.9	
Manganese	319	305.5		mg/Kg		95.8	74.9 - 125.1	
Nickel	79.9	87.05		mg/Kg		108.9	70.0 - 130.2	
Potassium	2050	2260		mg/Kg		110.3	59.5 - 141.0	
Selenium	172	157.6		mg/Kg		91.7	68.0 - 132.6	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-591143/2-A
 Matrix: Solid
 Analysis Batch: 591671

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 591143

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Silver	24.7	21.62		mg/Kg		87.5	67.2 - 133.2
Sodium	137	156.3		mg/Kg		114.1	35.8 - 164.2
Thallium	88.0	91.47		mg/Kg		103.9	66.0 - 134.1
Vanadium	99.9	98.44		mg/Kg		98.5	67.4 - 132.1
Zinc	312	291.7		mg/Kg		93.5	69.9 - 129.8

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-591184/1-A
 Matrix: Solid
 Analysis Batch: 591381

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 591184

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0038	mg/Kg		08/02/21 13:48	08/02/21 15:39	1

Lab Sample ID: LCSSRM 480-591184/2-A ^10
 Matrix: Solid
 Analysis Batch: 591381

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 591184

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	25.29		mg/Kg		93.0	59.9 - 140.1

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-170102/5
 Matrix: Solid
 Analysis Batch: 170102

Client Sample ID: Method Blank
 Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			08/11/21 12:43	1

Lab Sample ID: LCS 200-170102/6
 Matrix: Solid
 Analysis Batch: 170102

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	7338		mg/Kg		88	75 - 125

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

GC/MS VOA

Analysis Batch: 591268

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-1	B-21-131 (1-2)(07272021)	Total/NA	Solid	8260C	591328
480-187738-2	B-21-121 (0-1)(07282021)	Total/NA	Solid	8260C	591328
480-187738-3	B-21-121 (6-6.1)(07282021)	Total/NA	Solid	8260C	591328
480-187738-5	B-21-136 (8-8.1)(07282021)	Total/NA	Solid	8260C	591328
480-187738-6	B-21-136 (0-1)(07282021)	Total/NA	Solid	8260C	591328
480-187738-7	B-21-135 (5-6)(07282021)	Total/NA	Solid	8260C	591328
480-187738-8	B-21-135 (9-10)(07282021)	Total/NA	Solid	8260C	591328
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8260C	591328
480-187738-13	B-21-134 (10-12)(07282021)	Total/NA	Solid	8260C	591328
MB 480-591328/2-A	Method Blank	Total/NA	Solid	8260C	591328
LCS 480-591328/1-A	Lab Control Sample	Total/NA	Solid	8260C	591328

Prep Batch: 591328

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-1	B-21-131 (1-2)(07272021)	Total/NA	Solid	5035A_L	
480-187738-2	B-21-121 (0-1)(07282021)	Total/NA	Solid	5035A_L	
480-187738-3	B-21-121 (6-6.1)(07282021)	Total/NA	Solid	5035A_L	
480-187738-5	B-21-136 (8-8.1)(07282021)	Total/NA	Solid	5035A_L	
480-187738-6	B-21-136 (0-1)(07282021)	Total/NA	Solid	5035A_L	
480-187738-7	B-21-135 (5-6)(07282021)	Total/NA	Solid	5035A_L	
480-187738-8	B-21-135 (9-10)(07282021)	Total/NA	Solid	5035A_L	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	5035A_L	
480-187738-13	B-21-134 (10-12)(07282021)	Total/NA	Solid	5035A_L	
MB 480-591328/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591328/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 591428

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	3550C	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	3550C	
MB 480-591428/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591428/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 591848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	8270D	591428
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	8270D	591428
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	8270D	591428
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8270D	591428
MB 480-591428/1-A	Method Blank	Total/NA	Solid	8270D	591428
LCS 480-591428/2-A	Lab Control Sample	Total/NA	Solid	8270D	591428

GC Semi VOA

Prep Batch: 591257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	3550C	

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QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

GC Semi VOA (Continued)

Prep Batch: 591257 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	3550C	
MB 480-591257/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591257/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 591258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	3550C	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	3550C	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	3550C	
MB 480-591258/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591258/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 591424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	8081B	591257
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	8081B	591257
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	8081B	591257
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8081B	591257
MB 480-591257/1-A	Method Blank	Total/NA	Solid	8081B	591257
LCS 480-591257/2-A	Lab Control Sample	Total/NA	Solid	8081B	591257

Analysis Batch: 591528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	8082A	591258
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	8082A	591258
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	8082A	591258
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8082A	591258
MB 480-591258/1-A	Method Blank	Total/NA	Solid	8082A	591258
LCS 480-591258/2-A	Lab Control Sample	Total/NA	Solid	8082A	591258

Prep Batch: 591614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	8151A	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	8151A	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	8151A	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8151A	
MB 480-591614/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-591614/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Analysis Batch: 592147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	8151A	591614
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	8151A	591614
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	8151A	591614
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	8151A	591614
MB 480-591614/1-A	Method Blank	Total/NA	Solid	8151A	591614
LCS 480-591614/2-A	Lab Control Sample	Total/NA	Solid	8151A	591614

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

LCMS

Prep Batch: 169667

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-11	B-21-134 (5-6)(07282021)	Total/NA	Solid	SHAKE	
MB 200-169667/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-169667/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 169721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-11	B-21-134 (5-6)(07282021)	Total/NA	Solid	537 (modified)	169667
MB 200-169667/1-A	Method Blank	Total/NA	Solid	537 (modified)	169667
LCS 200-169667/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169667

Metals

Prep Batch: 591143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	3050B	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	3050B	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	3050B	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	3050B	
MB 480-591143/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-591143/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 591184

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	7471B	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	7471B	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	7471B	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	7471B	
MB 480-591184/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-591184/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 591381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	7471B	591184
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	7471B	591184
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	7471B	591184
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	7471B	591184
MB 480-591184/1-A	Method Blank	Total/NA	Solid	7471B	591184
LCSSRM 480-591184/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	591184

Analysis Batch: 591671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	6010C	591143
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	6010C	591143
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	6010C	591143
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	6010C	591143
MB 480-591143/1-A	Method Blank	Total/NA	Solid	6010C	591143
LCSSRM 480-591143/2-A	Lab Control Sample	Total/NA	Solid	6010C	591143

Analysis Batch: 591829

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	6010C	591143

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Metals (Continued)

Analysis Batch: 591829 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	6010C	591143
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	6010C	591143

General Chemistry

Analysis Batch: 169852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-11	B-21-134 (5-6)(07282021)	Total/NA	Solid	Moisture	

Analysis Batch: 170102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-11	B-21-134 (5-6)(07282021)	Total/NA	Solid	Lloyd Kahn	
MB 200-170102/5	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-170102/6	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 590971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-4	B-21-121 (4-5)(07282021)	Total/NA	Solid	Moisture	
480-187738-9	B-21-135 (6-7)(07282021)	Total/NA	Solid	Moisture	
480-187738-10	B-21-136 (4-5)(07282021)	Total/NA	Solid	Moisture	

Analysis Batch: 591000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187738-1	B-21-131 (1-2)(07272021)	Total/NA	Solid	Moisture	
480-187738-2	B-21-121 (0-1)(07282021)	Total/NA	Solid	Moisture	
480-187738-3	B-21-121 (6-6.1)(07282021)	Total/NA	Solid	Moisture	
480-187738-5	B-21-136 (8-8.1)(07282021)	Total/NA	Solid	Moisture	
480-187738-6	B-21-136 (0-1)(07282021)	Total/NA	Solid	Moisture	
480-187738-7	B-21-135 (5-6)(07282021)	Total/NA	Solid	Moisture	
480-187738-8	B-21-135 (9-10)(07282021)	Total/NA	Solid	Moisture	
480-187738-12	B-21-134 (6-8)(07282021)	Total/NA	Solid	Moisture	
480-187738-13	B-21-134 (10-12)(07282021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-131 (1-2)(07272021)

Lab Sample ID: 480-187738-1

Date Collected: 07/27/21 16:20

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-131 (1-2)(07272021)

Lab Sample ID: 480-187738-1

Date Collected: 07/27/21 16:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 13:17	CDC	TAL BUF

Client Sample ID: B-21-121 (0-1)(07282021)

Lab Sample ID: 480-187738-2

Date Collected: 07/28/21 08:00

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-121 (0-1)(07282021)

Lab Sample ID: 480-187738-2

Date Collected: 07/28/21 08:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 13:41	CDC	TAL BUF

Client Sample ID: B-21-121 (6-6.1)(07282021)

Lab Sample ID: 480-187738-3

Date Collected: 07/28/21 08:15

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-121 (6-6.1)(07282021)

Lab Sample ID: 480-187738-3

Date Collected: 07/28/21 08:15

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 96.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 14:05	CDC	TAL BUF

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590971	07/29/21 16:05	IMZ	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-121 (4-5)(07282021)

Lab Sample ID: 480-187738-4

Date Collected: 07/28/21 08:25

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591428	08/03/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591848	08/05/21 19:44	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 11:39	JLS	TAL BUF
Total/NA	Prep	3550C			591258	08/02/21 08:02	VXF	TAL BUF
Total/NA	Analysis	8082A		1	591528	08/03/21 17:30	W1T	TAL BUF
Total/NA	Prep	8151A			591614	08/04/21 08:13	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592147	08/09/21 20:02	MAN	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:43	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:26	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:57	BMB	TAL BUF

Client Sample ID: B-21-136 (8-8.1)(07282021)

Lab Sample ID: 480-187738-5

Date Collected: 07/28/21 11:45

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-136 (8-8.1)(07282021)

Lab Sample ID: 480-187738-5

Date Collected: 07/28/21 11:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 99.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 14:29	CDC	TAL BUF

Client Sample ID: B-21-136 (0-1)(07282021)

Lab Sample ID: 480-187738-6

Date Collected: 07/28/21 11:55

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-136 (0-1)(07282021)

Lab Sample ID: 480-187738-6

Date Collected: 07/28/21 11:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 97.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 14:54	CDC	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Date Collected: 07/28/21 12:55

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-135 (5-6)(07282021)

Lab Sample ID: 480-187738-7

Date Collected: 07/28/21 12:55

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 15:18	CDC	TAL BUF

Client Sample ID: B-21-135 (9-10)(07282021)

Lab Sample ID: 480-187738-8

Date Collected: 07/28/21 13:00

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-135 (9-10)(07282021)

Lab Sample ID: 480-187738-8

Date Collected: 07/28/21 13:00

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 15:43	CDC	TAL BUF

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590971	07/29/21 16:05	IMZ	TAL BUF

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591428	08/03/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591848	08/05/21 20:08	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 11:59	JLS	TAL BUF
Total/NA	Prep	3550C			591258	08/02/21 08:02	VXF	TAL BUF
Total/NA	Analysis	8082A		1	591528	08/03/21 17:43	W1T	TAL BUF
Total/NA	Prep	8151A			591614	08/04/21 08:13	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592147	08/09/21 20:31	MAN	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-135 (6-7)(07282021)

Lab Sample ID: 480-187738-9

Date Collected: 07/28/21 13:10

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/03/21 23:59	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:29	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 15:59	BMB	TAL BUF

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	590971	07/29/21 16:05	IMZ	TAL BUF

Client Sample ID: B-21-136 (4-5)(07282021)

Lab Sample ID: 480-187738-10

Date Collected: 07/28/21 13:20

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591428	08/03/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591848	08/05/21 20:33	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		1	591424	08/03/21 12:18	JLS	TAL BUF
Total/NA	Prep	3550C			591258	08/02/21 08:02	VXF	TAL BUF
Total/NA	Analysis	8082A		1	591528	08/03/21 17:55	W1T	TAL BUF
Total/NA	Prep	8151A			591614	08/04/21 08:13	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592147	08/09/21 21:01	MAN	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/04/21 00:03	AMH	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		2	591829	08/04/21 17:33	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 16:00	BMB	TAL BUF

Client Sample ID: B-21-134 (5-6)(07282021)

Lab Sample ID: 480-187738-11

Date Collected: 07/28/21 14:45

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	170102	08/11/21 13:04	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	169852	08/04/21 18:29	LEE	TAL BUR

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Client Sample ID: B-21-134 (5-6)(07282021)

Lab Sample ID: 480-187738-11

Date Collected: 07/28/21 14:45

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 74.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169667	07/30/21 13:13	CM	TAL BUR
Total/NA	Analysis	537 (modified)		1	169721	08/02/21 15:34	ND	TAL BUR

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-134 (6-8)(07282021)

Lab Sample ID: 480-187738-12

Date Collected: 07/28/21 14:50

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 16:07	CDC	TAL BUF
Total/NA	Prep	3550C			591428	08/03/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	591848	08/05/21 20:58	JMM	TAL BUF
Total/NA	Prep	3550C			591257	08/02/21 07:53	VXF	TAL BUF
Total/NA	Analysis	8081B		10	591424	08/03/21 12:38	JLS	TAL BUF
Total/NA	Prep	3550C			591258	08/02/21 08:02	VXF	TAL BUF
Total/NA	Analysis	8082A		1	591528	08/03/21 18:08	W1T	TAL BUF
Total/NA	Prep	8151A			591614	08/04/21 08:13	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592147	08/09/21 21:31	MAN	TAL BUF
Total/NA	Prep	3050B			591143	07/30/21 13:36	DMN	TAL BUF
Total/NA	Analysis	6010C		1	591671	08/04/21 00:06	AMH	TAL BUF
Total/NA	Prep	7471B			591184	08/02/21 13:48	BMB	TAL BUF
Total/NA	Analysis	7471B		1	591381	08/02/21 16:04	BMB	TAL BUF

Client Sample ID: B-21-134 (10-12)(07282021)

Lab Sample ID: 480-187738-13

Date Collected: 07/28/21 15:05

Matrix: Solid

Date Received: 07/29/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591000	07/29/21 22:27	CDC	TAL BUF

Client Sample ID: B-21-134 (10-12)(07282021)

Lab Sample ID: 480-187738-13

Date Collected: 07/28/21 15:05

Matrix: Solid

Date Received: 07/29/21 08:00

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591328	07/29/21 10:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	591268	08/02/21 16:31	CDC	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

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Accreditation/Certification Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	SHAKE	Solid	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	SHAKE	Solid	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	SHAKE	Solid	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	SHAKE	Solid	Perfluorobutanoic acid (PFBA)
537 (modified)	SHAKE	Solid	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	SHAKE	Solid	Perfluorodecanoic acid (PFDA)
537 (modified)	SHAKE	Solid	Perfluorododecanoic acid (PFDoA)
537 (modified)	SHAKE	Solid	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	SHAKE	Solid	Perfluoroheptanoic acid (PFHpA)
537 (modified)	SHAKE	Solid	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	SHAKE	Solid	Perfluorohexanoic acid (PFHxA)
537 (modified)	SHAKE	Solid	Perfluorononanoic acid (PFNA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	SHAKE	Solid	Perfluorooctanoic acid (PFOA)
537 (modified)	SHAKE	Solid	Perfluoropentanoic acid (PFPeA)
537 (modified)	SHAKE	Solid	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	SHAKE	Solid	Perfluorotridecanoic acid (PFTriA)
537 (modified)	SHAKE	Solid	Perfluoroundecanoic acid (PFUnA)
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUR
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187738-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187738-1	B-21-131 (1-2)(07272021)	Solid	07/27/21 16:20	07/29/21 08:00
480-187738-2	B-21-121 (0-1)(07282021)	Solid	07/28/21 08:00	07/29/21 08:00
480-187738-3	B-21-121 (6-6.1)(07282021)	Solid	07/28/21 08:15	07/29/21 08:00
480-187738-4	B-21-121 (4-5)(07282021)	Solid	07/28/21 08:25	07/29/21 08:00
480-187738-5	B-21-136 (8-8.1)(07282021)	Solid	07/28/21 11:45	07/29/21 08:00
480-187738-6	B-21-136 (0-1)(07282021)	Solid	07/28/21 11:55	07/29/21 08:00
480-187738-7	B-21-135 (5-6)(07282021)	Solid	07/28/21 12:55	07/29/21 08:00
480-187738-8	B-21-135 (9-10)(07282021)	Solid	07/28/21 13:00	07/29/21 08:00
480-187738-9	B-21-135 (6-7)(07282021)	Solid	07/28/21 13:10	07/29/21 08:00
480-187738-10	B-21-136 (4-5)(07282021)	Solid	07/28/21 13:20	07/29/21 08:00
480-187738-11	B-21-134 (5-6)(07282021)	Solid	07/28/21 14:45	07/29/21 08:00
480-187738-12	B-21-134 (6-8)(07282021)	Solid	07/28/21 14:50	07/29/21 08:00
480-187738-13	B-21-134 (10-12)(07282021)	Solid	07/28/21 15:05	07/29/21 08:00

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Chain of Custody Record
 FFAC → BUS FROM SYR - RE

Syracuse

Client Information		Lab PM: Schove, John R		COC No: 480-163241-35773.3	
Sampler: Olivia Bohay		E-Mail: John.Schove@Eurofins.com		Page: 1 of 2	
Phone: 315-552-8984		PWSID:		Job #: (CB)	
Address: 5784 Widewaters Pkwy		Due Date Requested:		Preservation Codes:	
City: Dewitt		TAT Requested (days): Standard		A - HCL B - NaOH C - Zn Acetate D - Nitric Acid	
State, Zip: NY, 13214		Compliance Project: Δ Yes Δ No		M - Hexane N - None O - AsH ₂ O P - Na ₂ O ₄ S 2S03 304 Dodecahydrate None AA 4-5 if (specify)	
Phone: 315-445-2543 (Tel)		Purchase Order Requested		Barcode: 480-187738 Chain of Custody	
Email: robert.sents@erm.com		PO #: [Blank]		Analysis Requested	
Project Name: David - Industrial ERM, CA		WO #: [Blank]		8260C - TCL VOCs + 10 TICs	
Li-Cycle: Lidestri-Ridgeway Property		Project #: 48023985		8081B, 8082A, 8151A, 8270D	
Site: [Blank]		SSOW#: [Blank]		6010C, 7471B	

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=Water, S=Soil, O=Other, M=Monitors)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TICs	8081B, 8082A, 8151A, 8270D	PSC - I DA - PSHS, Standard List	Lloyd Khan - TOC	Total Number of	Special Instructions/Note:
B-21-131 (1-2) (07272021)	7/27/21	1620	G	Solid	N	X	N	N	N	4	
B-21-121 (0-1) (07282021)	7/28/21	0800	G	Solid	N	X	N	N	N	4	
B-21-121 (6-6.1) (07282021)		0815	G	Solid	N	X	N	N	N	4	
B-21-121 (4-5) (07282021)		0825	G	Solid	N	X	N	N	N	3	
B-21-136 (8-8.1) (07282021)		1145	G	Solid	N	X	N	N	N	4	
B-21-136 (0-1) (07282021)		1155	G	Solid	N	X	N	N	N	4	
B-21-135 (5-6) (07282021)		1255	G	Solid	N	X	N	N	N	4	
B-21-135 (9-10) (07282021)		1300	G	Solid	N	X	N	N	N	4	
B-21-135 (6-7) (07282021)		1310	G	Solid	N	X	N	N	N	3	
B-21-136 (4-5) (07282021)		1320	G	Solid	N	X	N	N	N	3	
B-21-134 (5-6) (07282021)		1445	G	Solid	N	X	N	N	N	2	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) Level IV, CAT ASP B

Empty Kit Relinquished by: [Blank] Date: [Blank]

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: CRM EQUIS EDD

Method of Shipment: [Blank]

Relinquished by: [Signature] Date/Time: 7/28/21 1730 Company: [Blank]

Relinquished by: [Signature] Date/Time: 7/28/21 1900 Company: [Blank]

Relinquished by: [Signature] Date/Time: [Blank] Company: [Blank]

Custody Seals Intact: Δ Yes Δ No
 Custody Seal No.: [Blank]

Cooler Temperature(s) °C and Other Remarks: 2-8 #1 ICC

Client Information
 Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 315-445-2543(Tel)
 Email: robert.sents@erm.com
 Project Name: LI-Cycle: Lidestr-Ridgeway Property
 Site:

Sample: Olivia Bohay
 Phone: 315-552-8484
 Lab PM: Schove, John R
 E-Mail: John.Schove@Eurofinset.com

Coffer Tracking No(s): #225
 Standard: #225
 Job #:

COC No: 480-163241-35773.3
 Page: 1 of 3
 Page of: 3
 Job #:

Due Date Requested:
 TAT Requested (days): Standard
 Compliance Project: Yes No
 PO #: Purchase Order Requested
 WO #:

Project #: 48023985
 SSOW#:

Address: Cold Overn, com
 david - runwitha@overn.com

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=over soil, BT=butane, A=air)	Analysis Requested		Special Instructions/Note:
					8260C - TCL VOCs + 10 TICs	9081B, 9082A, 8151A, 8270D	
B-21-131 (1-2) (07A82021)	7/27/21	1620	G	Solid	N	N	
B-21-121 (0-1) (07A82021)	7/28/21	0800	G	Solid	N	N	
B-21-121 (6-6.1) (07A82021)		0815	G	Solid	N	N	
B-21-121 (4-5) (07A82021)		0825	G	Solid	N	N	
B-21-136 (8-8.1) (07A82021)		1145	G	Solid	N	N	
B-21-136 (0-1) (07A82021)		1155	G	Solid	N	N	
B-21-135 (5-6) (07A82021)		1255	G	Solid	N	N	
B-21-135 (9-10) (07A82021)		1300	G	Solid	N	N	
B-21-135 (6-7) (07A82021)		1310	G	Solid	N	N	
B-21-136 (4-5) (07A82021)		1320	G	Solid	N	N	
B-21-134 (5-6) (07A82021)		1445	G	Solid	N	N	



Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) Level IV, CAT ASP B

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: ERM CALVES END
 Method of Shipment:

Empty Kit Relinquished by:

Relinquished by: [Signature] Date: 7/28/21 1730 Company: ERM
 Relinquished by: [Signature] Date: 7-28-21, 1800 Company: [Signature]
 Relinquished by: [Signature] Date: 02/19/21 1030 Company: ERM

Custody Seal No.: Yes No

Cooler Temperature(s) °C and Other Remarks:

ORIGIN ID:SYRA (315) 431-0171
SYR SERVICE CENTER
EUROFINS TESTAMERICA
118 BOSS RD

SHIP DATE: 28JUL21
ACTWT: 6.00 LB MAN
CAD: 0883373/CAFE3504

SYRACUSE, NY 13211
UNITED STATES US

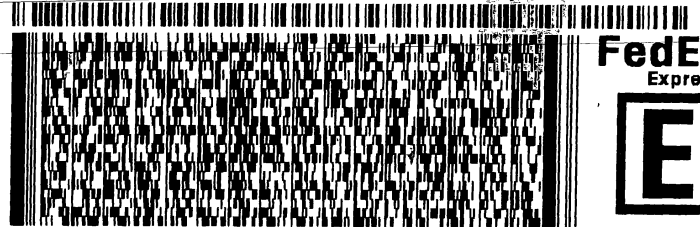
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA BURLINGTON
530 COMMUNITY DRIVE SUITE 11

SOUTH BURLINGTON VT 05403

(802) 860-1990

REF: ERM LI-CYCLE 1COOLER

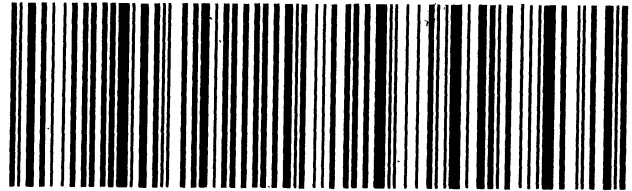


TRK# 9735 8147 0781
0201

THU - 29 JUL 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



56DC2/0265/6F 4D

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Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187738-1

Login Number: 187738

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1 ICE
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	freeze time: 7/29 @ 1000
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187738-1

Login Number: 187738

List Number: 2

Creator: Cunningham, Caroline R

List Source: Eurofins TestAmerica, Burlington

List Creation: 07/29/21 05:23 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1520983
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.7°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187922-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:
8/13/2021 4:27:49 PM

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
HT	Exceeds Holding time
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
U	Indicates the analyte was analyzed for but not detected.

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC is outside acceptance limits.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Job ID: 480-187922-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187922-1

Comments

No additional comments.

Receipt

The samples were received on 8/4/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.6° C, 3.1° C, 3.4° C and 4.2° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-591954 recovered above the upper control limit for Carbon tetrachloride, 2-Hexanone, Vinyl chloride, Chloroethane, Chloromethane, Dibromochloromethane and trans-1,3-Dichloropropene. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are: B-21-116(3-4)(08032021) (480-187922-17), B-21-116(8-9)(08032021) (480-187922-19), B-21-113(1-2)(08032021) (480-187922-21), B-21-113(8-9)(08032021) (480-187922-24), B-21-113(10-11)(08032021) (480-187922-25), B-21-120(0-1)(08032021) (480-187922-26), B-21-120(2-3)(08032021) (480-187922-27), B-21-120(6-7)(08032021) (480-187922-29) and B-21-110(0-1)(08032021) (480-187922-30).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591949 and analytical batch 480-591954 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-116(3-4)(08032021) (480-187922-17), B-21-116(8-9)(08032021) (480-187922-19), B-21-113(1-2)(08032021) (480-187922-21), B-21-113(8-9)(08032021) (480-187922-24), B-21-113(10-11)(08032021) (480-187922-25), B-21-120(0-1)(08032021) (480-187922-26), B-21-120(2-3)(08032021) (480-187922-27), B-21-120(6-7)(08032021) (480-187922-29) and B-21-110(0-1)(08032021) (480-187922-30).

Method 8260C: The following sample(s) was received with minimum amount of time remaining on the test. As such, the laboratory had insufficient time remaining to perform the analysis within holding time. The samples were preserved via freezing on 8-4-21 at 10:50: B-21-128(0-1)(08022021) (480-187922-1) and B-21-128(2-3)(08022021) (480-187922-3). This is outside the 48 hour time frame required by the method.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-592166 was outside criteria for the following analyte(s): Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8082A: The continuing calibration verification (CCV) associated with batch 480-592120 recovered above the upper control limit for PCB-1221. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-128(1-2)(08022021) (480-187922-2), B-21-128(9-10)(08022021) (480-187922-5), B-21-129(6-7)(08022021) (480-187922-8), B-21-129(8-9)(08022021) (480-187922-10), B-21-123(1-2)(08022021) (480-187922-11), B-21-123(4-5)(08022021) (480-187922-12), B-21-116(5-6)(08032021) (480-187922-18), B-21-113(4-5)(08032021) (480-187922-22), B-21-113(6-7)(08032021) (480-187922-23), B-21-120(0-1)(08032021) (480-187922-26), B-21-120(4-5)(08032021) (480-187922-28) and B-21-116(7-8)(08032021) (480-187922-31).

Method 8081B: The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 480-591986 and analytical batch 480-592134 was outside control limits. Sample matrix interference and/or non-homogeneity are suspected. B-21-116(5-6)(08032021) (480-187922-18)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Job ID: 480-187922-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Metals

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-128(1-2) (08022021) (480-187922-2), B-21-129(6-7)(08022021) (480-187922-8), B-21-129(8-9)(08022021) (480-187922-10), B-21-123(1-2) (08022021) (480-187922-11), B-21-116(5-6)(08032021) (480-187922-18), B-21-113(4-5)(08032021) (480-187922-22), B-21-113(6-7) (08032021) (480-187922-23), B-21-120(4-5)(08032021) (480-187922-28) and B-21-116(7-8)(08032021) (480-187922-31). Elevated reporting limits (RLs) are provided.

Method 6010C: The following sample was diluted due to the presence of Total Silicon which interferes with Lead: B-21-128(9-10) (08022021) (480-187922-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

LCMS

Method 537 (modified): Method 537 (modified): The "I" qualifier associated with samples B-21-129(0-1)(08022021) (480-187922-6), B-21-113(0-1)(08032021) (480-187922-20), B-21-110(0-1)(08032021) (480-187922-30) and (480-187922-E-30-C MSD) is applied because the transition mass ratio for the indicated analyte(s) was outside of the established ratio limits. The qualitative identification has some degree of uncertainty, however analyst judgment was used to positively identify the analyte(s).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

General Chemistry

Method Lloyd Kahn: The continuing calibration blank (CCB) for analytical batch 200-170023 contained Total Organic Carbon above the reporting limit (RL). The CCB was reran at the end of the run to confirm the validity of the curve, however this CCB also failed, therefore it will not be used as a confirmation of the calibration validity. The following reported samples associated with the primary CCB contained this analyte at a concentration greater than 10X the value found in the CCB; therefore, re-analysis of samples was not performed: 480-187922-B-6, 480-187922-B-20, and 480-187922-B-30.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: B-21-128(1-2) (08022021) (480-187922-2) and B-21-128(9-10)(08022021) (480-187922-5).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(0-1)(08022021)

Lab Sample ID: 480-187922-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.57	J HT	5.1	0.38	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	0.69	J	1.9	0.49	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.56	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
trans-Chlordane	7.2		1.9	0.61	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7780		11.0	4.9	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.0		2.2	0.44	mg/Kg	1	☒	6010C	Total/NA
Barium	13.0	B	0.55	0.12	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.48		0.22	0.031	mg/Kg	1	☒	6010C	Total/NA
Calcium	143000	B	110	7.3	mg/Kg	2	☒	6010C	Total/NA
Chromium	9.5		0.55	0.22	mg/Kg	1	☒	6010C	Total/NA
Cobalt	5.0		0.55	0.055	mg/Kg	1	☒	6010C	Total/NA
Copper	7.3		2.2	0.46	mg/Kg	2	☒	6010C	Total/NA
Iron	11300		11.0	3.9	mg/Kg	1	☒	6010C	Total/NA
Lead	18.1		1.1	0.26	mg/Kg	1	☒	6010C	Total/NA
Magnesium	44100		22.1	1.0	mg/Kg	1	☒	6010C	Total/NA
Manganese	270		0.22	0.035	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.3		5.5	0.25	mg/Kg	1	☒	6010C	Total/NA
Potassium	4100		33.1	22.1	mg/Kg	1	☒	6010C	Total/NA
Sodium	176		155	14.4	mg/Kg	1	☒	6010C	Total/NA
Vanadium	10.8	B	0.55	0.12	mg/Kg	1	☒	6010C	Total/NA
Zinc	8.5		2.2	0.71	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.021	J	0.025	0.0057	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-128(2-3)(08022021)

Lab Sample ID: 480-187922-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.49	J HT	4.5	0.34	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	130		25	4.1	ug/Kg	1	☒	8260C	Total/NA
Ethylbenzene	0.46	J	4.9	0.34	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.2	J	4.9	0.75	ug/Kg	1	☒	8260C	Total/NA
Toluene	3.0	J	4.9	0.37	ug/Kg	1	☒	8260C	Total/NA
Xylenes, Total	3.5	J	9.8	0.83	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Phenol	79	J	190	30	ug/Kg	1	☒	8270D	Total/NA
beta-BHC	1.3	J	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.55	J B	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
Aluminum	6810		11.6	5.1	mg/Kg	1	☒	6010C	Total/NA
Arsenic	3.5		2.3	0.46	mg/Kg	1	☒	6010C	Total/NA
Barium	38.4	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.38		0.23	0.032	mg/Kg	1	☒	6010C	Total/NA
Cadmium	0.067	J	0.23	0.035	mg/Kg	1	☒	6010C	Total/NA
Calcium	93700	B	57.9	3.8	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(9-10)(08022021) (Continued)

Lab Sample ID: 480-187922-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	9.4		0.58	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	6.0		0.58	0.058	mg/Kg	1	☒	6010C	Total/NA
Copper	11.4		1.2	0.24	mg/Kg	1	☒	6010C	Total/NA
Iron	11100		11.6	4.1	mg/Kg	1	☒	6010C	Total/NA
Lead	12.5		2.3	0.56	mg/Kg	2	☒	6010C	Total/NA
Magnesium	12300		23.2	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	326		0.23	0.037	mg/Kg	1	☒	6010C	Total/NA
Nickel	13.1		5.8	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	2910		34.8	23.2	mg/Kg	1	☒	6010C	Total/NA
Selenium	1.1	J	4.6	0.46	mg/Kg	1	☒	6010C	Total/NA
Silver	0.27	J	0.70	0.23	mg/Kg	1	☒	6010C	Total/NA
Sodium	458		162	15.1	mg/Kg	1	☒	6010C	Total/NA
Vanadium	11.5	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	26.2		2.3	0.74	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0083	J	0.022	0.0051	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-129(0-1)(08022021)

Lab Sample ID: 480-187922-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.39	J	0.54	0.18	ug/Kg	1	☒	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.024	J I	0.22	0.017	ug/Kg	1	☒	537 (modified)	Total/NA
Total Organic Carbon	58500	^	1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-129(2-3)(08022021)

Lab Sample ID: 480-187922-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	35		23	3.8	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	0.67	J	1.9	0.47	ug/Kg	1	☒	8081B	Total/NA
Endrin ketone	0.56	J	1.9	0.46	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.51	J B	1.9	0.34	ug/Kg	1	☒	8081B	Total/NA
Aluminum	8220		11.7	5.1	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.0		2.3	0.47	mg/Kg	1	☒	6010C	Total/NA
Barium	23.2	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.44		0.23	0.033	mg/Kg	1	☒	6010C	Total/NA
Calcium	142000	B	117	7.7	mg/Kg	2	☒	6010C	Total/NA
Chromium	10.4		0.58	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	4.7		0.58	0.058	mg/Kg	1	☒	6010C	Total/NA
Copper	8.1		2.3	0.49	mg/Kg	2	☒	6010C	Total/NA
Iron	11400		11.7	4.1	mg/Kg	1	☒	6010C	Total/NA
Lead	15.0		1.2	0.28	mg/Kg	1	☒	6010C	Total/NA
Magnesium	18500		23.4	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	275		0.23	0.037	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.0		5.8	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	3850		35.1	23.4	mg/Kg	1	☒	6010C	Total/NA
Selenium	0.62	J	4.7	0.47	mg/Kg	1	☒	6010C	Total/NA
Sodium	156	J	164	15.2	mg/Kg	1	☒	6010C	Total/NA
Vanadium	12.0	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	15.1		2.3	0.75	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(4-5)(08022021)

Lab Sample ID: 480-187922-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	42		23	4.0	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.5	J	20	1.5	ug/Kg	1	☒	8260C	Total/NA
Acetone	92		20	3.4	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.3	J	4.1	0.62	ug/Kg	1	☒	8260C	Total/NA
Toluene	0.99	J	4.1	0.31	ug/Kg	1	☒	8260C	Total/NA
Xylenes, Total	0.95	J	8.1	0.68	ug/Kg	1	☒	8260C	Total/NA
beta-BHC	0.65	J	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.76	J B	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7560		11.7	5.2	mg/Kg	1	☒	6010C	Total/NA
Arsenic	4.4		2.3	0.47	mg/Kg	1	☒	6010C	Total/NA
Barium	14.6	B	0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.43		0.23	0.033	mg/Kg	1	☒	6010C	Total/NA
Calcium	122000	B	117	7.7	mg/Kg	2	☒	6010C	Total/NA
Chromium	9.1		0.59	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	4.5		0.59	0.059	mg/Kg	1	☒	6010C	Total/NA
Copper	5.5		2.3	0.49	mg/Kg	2	☒	6010C	Total/NA
Iron	9830		11.7	4.1	mg/Kg	1	☒	6010C	Total/NA
Lead	11.4		1.2	0.28	mg/Kg	1	☒	6010C	Total/NA
Magnesium	19800		23.5	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	228		0.23	0.038	mg/Kg	1	☒	6010C	Total/NA
Nickel	10.8		5.9	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	4130		35.2	23.5	mg/Kg	1	☒	6010C	Total/NA
Sodium	148	J	164	15.2	mg/Kg	1	☒	6010C	Total/NA
Vanadium	10.4	B	0.59	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	8.5		2.3	0.75	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0043	J	0.017	0.0040	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.41	J	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.57	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
Aluminum	5360		11.4	5.0	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.7		2.3	0.46	mg/Kg	1	☒	6010C	Total/NA
Barium	10.7	B	0.57	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.38		0.23	0.032	mg/Kg	1	☒	6010C	Total/NA
Calcium	195000	B	114	7.5	mg/Kg	2	☒	6010C	Total/NA
Chromium	6.9		0.57	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	4.9		0.57	0.057	mg/Kg	1	☒	6010C	Total/NA
Copper	7.7		2.3	0.48	mg/Kg	2	☒	6010C	Total/NA
Iron	10600		11.4	4.0	mg/Kg	1	☒	6010C	Total/NA
Lead	18.9		1.1	0.27	mg/Kg	1	☒	6010C	Total/NA
Magnesium	34000		22.8	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	398		0.23	0.037	mg/Kg	1	☒	6010C	Total/NA
Nickel	9.9		5.7	0.26	mg/Kg	1	☒	6010C	Total/NA
Potassium	2870		34.3	22.8	mg/Kg	1	☒	6010C	Total/NA
Selenium	0.65	J	4.6	0.46	mg/Kg	1	☒	6010C	Total/NA
Sodium	170		160	14.8	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(1-2)(08022021) (Continued)

Lab Sample ID: 480-187922-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	8.4	B	0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	5.7		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.60	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Endosulfan sulfate	0.49	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.60	J	2.0	0.49	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.55	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	13800		12.5	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	6.1		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	53.6	B	0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.73		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.20	J	0.25	0.037	mg/Kg	1	✳	6010C	Total/NA
Calcium	67400	B	62.3	4.1	mg/Kg	1	✳	6010C	Total/NA
Chromium	16.4		0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	8.3		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	8.4		1.2	0.26	mg/Kg	1	✳	6010C	Total/NA
Iron	17300		12.5	4.4	mg/Kg	1	✳	6010C	Total/NA
Lead	26.0		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	17300		24.9	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	601		0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	14.9		6.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	4060		37.4	24.9	mg/Kg	1	✳	6010C	Total/NA
Sodium	157	J	174	16.2	mg/Kg	1	✳	6010C	Total/NA
Vanadium	21.5	B	0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	22.6		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.025		0.024	0.0056	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-123(2-3)(08022021)

Lab Sample ID: 480-187922-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	41		21	3.6	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-123(7-8)(08022021)

Lab Sample ID: 480-187922-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.3	J	20	1.5	ug/Kg	1	✳	8260C	Total/NA
Acetone	100		20	3.4	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-123(8-9)(08022021)

Lab Sample ID: 480-187922-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	79		20	3.3	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.37	J	3.9	0.30	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-116(1-2)(08032021)

Lab Sample ID: 480-187922-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	57		21	3.5	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.48	J	4.1	0.31	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(3-4)(08032021)

Lab Sample ID: 480-187922-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	5.5	J	24	1.7	ug/Kg	1	✳	8260C	Total/NA
Acetone	100		24	4.0	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	2.8	J	4.7	2.2	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDD	0.59	J	1.9	0.38	ug/Kg	1	✳	8081B	Total/NA
Endosulfan I	0.39	J	1.9	0.37	ug/Kg	1	✳	8081B	Total/NA
Endosulfan II	0.42	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endosulfan sulfate	0.59	J	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.73	J	1.9	0.48	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.67	J B T	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	0.92	J	1.9	0.62	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9800		12.0	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.6		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	25.2	B	0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.51		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.056	J	0.24	0.036	mg/Kg	1	✳	6010C	Total/NA
Calcium	128000	B	120	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	11.5		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.4		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	8.2		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	11500		12.0	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	12.7		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	28700		24.0	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	299		0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.0		6.0	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4240		36.0	24.0	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.51	J	4.8	0.48	mg/Kg	1	✳	6010C	Total/NA
Sodium	166	J	168	15.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	14.2	B	0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	13.4		2.4	0.77	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0079	J	0.024	0.0055	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-116(8-9)(08032021)

Lab Sample ID: 480-187922-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	16	J	20	3.4	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.33	J	4.1	0.31	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-113(0-1)(08032021)

Lab Sample ID: 480-187922-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	0.23	J	0.56	0.18	ug/Kg	1	✳	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.041	J I	0.22	0.018	ug/Kg	1	✳	537 (modified)	Total/NA
Total Organic Carbon	41400	^	1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-113(1-2)(08032021)

Lab Sample ID: 480-187922-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	4.3	J	21	3.5	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.48	J	1.9	0.34	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.64	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endrin aldehyde	0.59	J	1.9	0.48	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.88	J	1.9	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.73	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Heptachlor	0.77	J	1.9	0.41	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	1.4	J	1.9	0.60	ug/Kg	1	✳	8081B	Total/NA
Aluminum	11500		11.4	5.0	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.3		2.3	0.45	mg/Kg	1	✳	6010C	Total/NA
Barium	21.7	B	0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.50		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Calcium	136000	B	114	7.5	mg/Kg	2	✳	6010C	Total/NA
Chromium	12.3		0.57	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.2		0.57	0.057	mg/Kg	1	✳	6010C	Total/NA
Copper	5.8		2.3	0.48	mg/Kg	2	✳	6010C	Total/NA
Iron	10700		11.4	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	11.7		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	19700		22.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	215		0.23	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.6		5.7	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	4970		34.1	22.7	mg/Kg	1	✳	6010C	Total/NA
Sodium	140	J	159	14.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	14.7	B	0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.1		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.040		0.022	0.0051	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.67	J	2.1	0.38	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.75	J B	2.1	0.38	ug/Kg	1	✳	8081B	Total/NA
Methoxychlor	0.64	J	2.1	0.42	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	1.2	J	2.1	0.65	ug/Kg	1	✳	8081B	Total/NA
Aluminum	9630		12.6	5.6	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.5		2.5	0.51	mg/Kg	1	✳	6010C	Total/NA
Barium	23.7	B	0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.48		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	181000	B	126	8.3	mg/Kg	2	✳	6010C	Total/NA
Chromium	11.2		0.63	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.9		0.63	0.063	mg/Kg	1	✳	6010C	Total/NA
Copper	7.0		2.5	0.53	mg/Kg	2	✳	6010C	Total/NA
Iron	10900		12.6	4.4	mg/Kg	1	✳	6010C	Total/NA
Lead	15.3		1.3	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	28600		25.3	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	278		0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.6		6.3	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	4120		37.9	25.3	mg/Kg	1	✳	6010C	Total/NA
Sodium	174	J	177	16.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	13.0	B	0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	7.6		2.5	0.81	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(8-9)(08032021)

Lab Sample ID: 480-187922-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	54		21	3.6	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.31	J	4.3	0.21	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.85	J	4.3	0.32	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-113(10-11)(08032021)

Lab Sample ID: 480-187922-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	12	J	20	3.3	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.19	J	4.0	0.19	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.38	J	4.0	0.30	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	86		23	3.9	ug/Kg	1	✳	8260C	Total/NA
Endosulfan sulfate	0.72	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.62	J	1.9	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.53	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Aluminum	11600		11.3	5.0	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.9		2.3	0.45	mg/Kg	1	✳	6010C	Total/NA
Barium	31.4	B	0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.61		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.052	J	0.23	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	95300	B	56.3	3.7	mg/Kg	1	✳	6010C	Total/NA
Chromium	13.6		0.56	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.3		0.56	0.056	mg/Kg	1	✳	6010C	Total/NA
Copper	7.4		1.1	0.24	mg/Kg	1	✳	6010C	Total/NA
Iron	14500		11.3	3.9	mg/Kg	1	✳	6010C	Total/NA
Lead	16.2		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	29100		22.5	1.0	mg/Kg	1	✳	6010C	Total/NA
Manganese	300		0.23	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	13.5		5.6	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	4060		33.8	22.5	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.56	J	4.5	0.45	mg/Kg	1	✳	6010C	Total/NA
Sodium	155	J	158	14.6	mg/Kg	1	✳	6010C	Total/NA
Vanadium	17.2	B	0.56	0.12	mg/Kg	1	✳	6010C	Total/NA
Zinc	14.7		2.3	0.72	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0098	J	0.026	0.0060	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-120(2-3)(08032021)

Lab Sample ID: 480-187922-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.7	J	31	2.3	ug/Kg	1	✳	8260C	Total/NA
Acetone	44		31	5.2	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	3.7	J	6.2	2.9	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.82	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
Endosulfan sulfate	0.61	J	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.55	J	1.9	0.47	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.67	J B	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(4-5)(08032021) (Continued)

Lab Sample ID: 480-187922-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
trans-Chlordane	1.1	J	1.9	0.61	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7680		11.7	5.1	mg/Kg	1	☒	6010C	Total/NA
Arsenic	4.4		2.3	0.47	mg/Kg	1	☒	6010C	Total/NA
Barium	19.1	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.41		0.23	0.033	mg/Kg	1	☒	6010C	Total/NA
Calcium	171000	B	117	7.7	mg/Kg	2	☒	6010C	Total/NA
Chromium	9.1		0.58	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	3.7		0.58	0.058	mg/Kg	1	☒	6010C	Total/NA
Copper	5.8		2.3	0.49	mg/Kg	2	☒	6010C	Total/NA
Iron	9370		11.7	4.1	mg/Kg	1	☒	6010C	Total/NA
Lead	13.0		1.2	0.28	mg/Kg	1	☒	6010C	Total/NA
Magnesium	26300		23.3	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	248		0.23	0.037	mg/Kg	1	☒	6010C	Total/NA
Nickel	8.7		5.8	0.27	mg/Kg	1	☒	6010C	Total/NA
Potassium	3290		35.0	23.3	mg/Kg	1	☒	6010C	Total/NA
Sodium	143	J	163	15.2	mg/Kg	1	☒	6010C	Total/NA
Vanadium	10.6	B	0.58	0.13	mg/Kg	1	☒	6010C	Total/NA
Zinc	6.9		2.3	0.75	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0057	J	0.023	0.0052	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-120(6-7)(08032021)

Lab Sample ID: 480-187922-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	52		21	3.5	ug/Kg	1	☒	8260C	Total/NA
Methylene Chloride	2.1	J	4.1	1.9	ug/Kg	1	☒	8260C	Total/NA
Toluene	0.34	J	4.1	0.31	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	43		25	4.2	ug/Kg	1	☒	8260C	Total/NA
Methylene Chloride	2.5	J	5.0	2.3	ug/Kg	1	☒	8260C	Total/NA
Perfluorobutanoic acid (PFBA)	0.44	J	0.61	0.20	ug/Kg	1	☒	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.027	J	0.24	0.022	ug/Kg	1	☒	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.029	J I	0.24	0.019	ug/Kg	1	☒	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.032	J	0.24	0.030	ug/Kg	1	☒	537 (modified)	Total/NA
Total Organic Carbon	31100	^	1000	671	mg/Kg	1		Lloyd Kahn	Total/NA

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.68	J	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.55	J B	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7040		12.6	5.5	mg/Kg	1	☒	6010C	Total/NA
Arsenic	4.9		2.5	0.50	mg/Kg	1	☒	6010C	Total/NA
Barium	27.0	B	0.63	0.14	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.45		0.25	0.035	mg/Kg	1	☒	6010C	Total/NA
Calcium	157000	B	126	8.3	mg/Kg	2	☒	6010C	Total/NA
Chromium	8.9		0.63	0.25	mg/Kg	1	☒	6010C	Total/NA
Cobalt	5.3		0.63	0.063	mg/Kg	1	☒	6010C	Total/NA
Copper	8.1		2.5	0.53	mg/Kg	2	☒	6010C	Total/NA
Iron	11700		12.6	4.4	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(7-8)(08032021) (Continued)

Lab Sample ID: 480-187922-31

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	15.2		1.3	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	17100		25.1	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	280		0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	10.6		6.3	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	3730		37.7	25.1	mg/Kg	1	✳	6010C	Total/NA
Sodium	157	J	176	16.3	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10	B	0.63	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	10.5		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0077	J	0.015	0.0036	mg/Kg	1	✳	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo



Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(0-1)(08022021)

Lab Sample ID: 480-187922-1

Date Collected: 08/02/21 10:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1	U HT	5.1	0.37	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,1,2,2-Tetrachloroethane	5.1	U HT	5.1	0.82	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U HT	5.1	1.2	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,1,2-Trichloroethane	5.1	U HT	5.1	0.66	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,1-Dichloroethane	5.1	U HT	5.1	0.62	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,1-Dichloroethene	5.1	U HT	5.1	0.62	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2,4-Trichlorobenzene	5.1	U HT	5.1	0.31	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2-Dibromo-3-Chloropropane	5.1	U HT	5.1	2.5	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2-Dibromoethane	5.1	U HT	5.1	0.65	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2-Dichlorobenzene	5.1	U HT	5.1	0.40	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2-Dichloroethane	5.1	U HT	5.1	0.25	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,2-Dichloropropane	5.1	U HT	5.1	2.5	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,3-Dichlorobenzene	5.1	U HT	5.1	0.26	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
1,4-Dichlorobenzene	5.1	U HT	5.1	0.71	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
2-Butanone (MEK)	25	U HT	25	1.8	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
2-Hexanone	25	U HT	25	2.5	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
4-Methyl-2-pentanone (MIBK)	25	U HT	25	1.7	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Acetone	25	U HT	25	4.3	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Benzene	5.1	U HT	5.1	0.25	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Bromodichloromethane	5.1	U HT	5.1	0.68	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Bromoform	5.1	U HT	5.1	2.5	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Bromomethane	5.1	U HT	5.1	0.45	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Carbon disulfide	5.1	U HT	5.1	2.5	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Carbon tetrachloride	5.1	U HT	5.1	0.49	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Chlorobenzene	5.1	U HT	5.1	0.67	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Chloroethane	5.1	U HT	5.1	1.1	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Chloroform	5.1	U HT	5.1	0.31	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Chloromethane	5.1	U HT	5.1	0.31	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
cis-1,2-Dichloroethene	5.1	U HT	5.1	0.65	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
cis-1,3-Dichloropropene	5.1	U HT	5.1	0.73	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Cyclohexane	5.1	U HT	5.1	0.71	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Dibromochloromethane	5.1	U HT	5.1	0.65	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Dichlorodifluoromethane	5.1	U HT	5.1	0.42	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Ethylbenzene	5.1	U HT	5.1	0.35	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Isopropylbenzene	5.1	U HT	5.1	0.76	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Methyl acetate	25	U HT	25	3.1	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Methyl tert-butyl ether	5.1	U HT	5.1	0.50	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Methylcyclohexane	5.1	U HT	5.1	0.77	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Methylene Chloride	5.1	U HT	5.1	2.3	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Styrene	5.1	U HT	5.1	0.25	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Tetrachloroethene	5.1	U HT	5.1	0.68	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Toluene	0.57	J HT	5.1	0.38	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
trans-1,2-Dichloroethene	5.1	U HT	5.1	0.52	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
trans-1,3-Dichloropropene	5.1	U HT	5.1	2.2	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Trichloroethene	5.1	U HT	5.1	1.1	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Trichlorofluoromethane	5.1	U HT	5.1	0.48	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Vinyl chloride	5.1	U HT	5.1	0.62	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1
Xylenes, Total	10	U HT	10	0.85	ug/Kg	✳	08/04/21 10:50	08/06/21 01:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(0-1)(08022021)

Lab Sample ID: 480-187922-1

Date Collected: 08/02/21 10:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.0

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	14	THTJ	ug/Kg	☼	9.64		08/04/21 10:50	08/06/21 01:13	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	104		64 - 126				08/04/21 10:50	08/06/21 01:13	1
4-Bromofluorobenzene (Surr)	98		72 - 126				08/04/21 10:50	08/06/21 01:13	1
Dibromofluoromethane (Surr)	103		60 - 140				08/04/21 10:50	08/06/21 01:13	1
Toluene-d8 (Surr)	103		71 - 125				08/04/21 10:50	08/06/21 01:13	1

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Chlorophenol	380	U	380	35	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Nitroaniline	380	U	380	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Acenaphthene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Anthracene	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Atrazine	190	U	190	67	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Caprolactam	190	U	190	58	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Carbazole	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Chrysene	190	U	190	43	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Fluoranthene	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Fluorene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Isophorone	190	U	190	41	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Phenol	190	U	190	30	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1
Pyrene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	280	T J	ug/Kg	☼	3.03		08/05/21 08:10	08/09/21 17:31	1
9-Octadecenamide, (Z)-	380	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	08/05/21 08:10	08/09/21 17:31	1
2-Fluorobiphenyl (Surr)	87		60 - 120	08/05/21 08:10	08/09/21 17:31	1
2-Fluorophenol (Surr)	71		52 - 120	08/05/21 08:10	08/09/21 17:31	1
Nitrobenzene-d5 (Surr)	75		53 - 120	08/05/21 08:10	08/09/21 17:31	1
Phenol-d5 (Surr)	81		54 - 120	08/05/21 08:10	08/09/21 17:31	1
p-Terphenyl-d14 (Surr)	96		79 - 130	08/05/21 08:10	08/09/21 17:31	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 11:57	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 11:57	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 11:57	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/06/21 08:09	08/09/21 11:57	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
beta-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endrin aldehyde	0.69	J	1.9	0.49	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
gamma-BHC (Lindane)	0.56	J B	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1
trans-Chlordane	7.2		1.9	0.61	ug/Kg	✱	08/06/21 08:09	08/09/21 11:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	82		45 - 120	08/06/21 08:09	08/09/21 11:57	1
DCB Decachlorobiphenyl	91		45 - 120	08/06/21 08:09	08/09/21 11:57	1
Tetrachloro-m-xylene	81		30 - 124	08/06/21 08:09	08/09/21 11:57	1
Tetrachloro-m-xylene	62		30 - 124	08/06/21 08:09	08/09/21 11:57	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.054	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1221	0.27	U	0.27	0.054	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1232	0.27	U	0.27	0.054	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1242	0.27	U	0.27	0.054	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1248	0.27	U	0.27	0.054	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	✱	08/06/21 08:18	08/09/21 02:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	08/06/21 08:18	08/09/21 02:20	1
Tetrachloro-m-xylene	117		60 - 154	08/06/21 08:18	08/09/21 02:20	1
DCB Decachlorobiphenyl	91		65 - 174	08/06/21 08:18	08/09/21 02:20	1
DCB Decachlorobiphenyl	102		65 - 174	08/06/21 08:18	08/09/21 02:20	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	08/10/21 07:29	08/12/21 17:32	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	✱	08/10/21 07:29	08/12/21 17:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	79		28 - 129	08/10/21 07:29	08/12/21 17:32	1
2,4-Dichlorophenylacetic acid	74		28 - 129	08/10/21 07:29	08/12/21 17:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7780		11.0	4.9	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Antimony	16.6	U	16.6	0.44	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Arsenic	5.0		2.2	0.44	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Barium	13.0	B	0.55	0.12	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Beryllium	0.48		0.22	0.031	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Cadmium	0.22	U	0.22	0.033	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Calcium	143000	B	110	7.3	mg/Kg	☼	08/06/21 12:44	08/10/21 19:31	2
Chromium	9.5		0.55	0.22	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Cobalt	5.0		0.55	0.055	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Copper	7.3		2.2	0.46	mg/Kg	☼	08/06/21 12:44	08/10/21 19:31	2
Iron	11300		11.0	3.9	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Lead	18.1		1.1	0.26	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Magnesium	44100		22.1	1.0	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Manganese	270		0.22	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Nickel	11.3		5.5	0.25	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Potassium	4100		33.1	22.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Silver	0.66	U	0.66	0.22	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Sodium	176		155	14.4	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Thallium	6.6	U	6.6	0.33	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Vanadium	10.8	B	0.55	0.12	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1
Zinc	8.5		2.2	0.71	mg/Kg	☼	08/06/21 12:44	08/10/21 00:10	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	J	0.025	0.0057	mg/Kg	☼	08/09/21 15:01	08/09/21 16:48	1

Client Sample ID: B-21-128(2-3)(08022021)

Lab Sample ID: 480-187922-3

Date Collected: 08/02/21 10:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U HT	4.5	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,1,2,2-Tetrachloroethane	4.5	U HT	4.5	0.72	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U HT	4.5	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,1,2-Trichloroethane	4.5	U HT	4.5	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,1-Dichloroethane	4.5	U HT	4.5	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,1-Dichloroethene	4.5	U HT	4.5	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2,4-Trichlorobenzene	4.5	U HT	4.5	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2-Dibromo-3-Chloropropane	4.5	U HT	4.5	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2-Dibromoethane	4.5	U HT	4.5	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2-Dichlorobenzene	4.5	U HT	4.5	0.35	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2-Dichloroethane	4.5	U HT	4.5	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,2-Dichloropropane	4.5	U HT	4.5	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,3-Dichlorobenzene	4.5	U HT	4.5	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
1,4-Dichlorobenzene	4.5	U HT	4.5	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
2-Butanone (MEK)	22	U HT	22	1.6	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
2-Hexanone	22	U HT	22	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
4-Methyl-2-pentanone (MIBK)	22	U HT	22	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(2-3)(08022021)

Lab Sample ID: 480-187922-3

Date Collected: 08/02/21 10:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22	U HT	22	3.8	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Benzene	4.5	U HT	4.5	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Bromodichloromethane	4.5	U HT	4.5	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Bromoform	4.5	U HT	4.5	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Bromomethane	4.5	U HT	4.5	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Carbon disulfide	4.5	U HT	4.5	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Carbon tetrachloride	4.5	U HT	4.5	0.43	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Chlorobenzene	4.5	U HT	4.5	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Chloroethane	4.5	U HT	4.5	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Chloroform	4.5	U HT	4.5	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Chloromethane	4.5	U HT	4.5	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
cis-1,2-Dichloroethene	4.5	U HT	4.5	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
cis-1,3-Dichloropropene	4.5	U HT	4.5	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Cyclohexane	4.5	U HT	4.5	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Dibromochloromethane	4.5	U HT	4.5	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Dichlorodifluoromethane	4.5	U HT	4.5	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Ethylbenzene	4.5	U HT	4.5	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Isopropylbenzene	4.5	U HT	4.5	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Methyl acetate	22	U HT	22	2.7	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Methyl tert-butyl ether	4.5	U HT	4.5	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Methylcyclohexane	4.5	U HT	4.5	0.68	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Methylene Chloride	4.5	U HT	4.5	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Styrene	4.5	U HT	4.5	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Tetrachloroethene	4.5	U HT	4.5	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Toluene	0.49	J HT	4.5	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
trans-1,2-Dichloroethene	4.5	U HT	4.5	0.46	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
trans-1,3-Dichloropropene	4.5	U HT	4.5	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Trichloroethene	4.5	U HT	4.5	0.98	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Trichlorofluoromethane	4.5	U HT	4.5	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Vinyl chloride	4.5	U HT	4.5	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1
Xylenes, Total	8.9	U HT	8.9	0.75	ug/Kg	☼	08/04/21 10:50	08/06/21 01:37	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	15	T HT J	ug/Kg	☼	9.64		08/04/21 10:50	08/06/21 01:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	08/04/21 10:50	08/06/21 01:37	1
4-Bromofluorobenzene (Surr)	99		72 - 126	08/04/21 10:50	08/06/21 01:37	1
Dibromofluoromethane (Surr)	109		60 - 140	08/04/21 10:50	08/06/21 01:37	1
Toluene-d8 (Surr)	100		71 - 125	08/04/21 10:50	08/06/21 01:37	1

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Date Collected: 08/02/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.36	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.80	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Date Collected: 08/02/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	4.9	U	4.9	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,1-Dichloroethane	4.9	U	4.9	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2-Dibromoethane	4.9	U	4.9	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2-Dichloroethane	4.9	U	4.9	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,2-Dichloropropane	4.9	U	4.9	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
1,4-Dichlorobenzene	4.9	U	4.9	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Acetone	130		25	4.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Bromodichloromethane	4.9	U	4.9	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Bromoform	4.9	U	4.9	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Carbon disulfide	4.9	U	4.9	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Carbon tetrachloride	4.9	U	4.9	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Chlorobenzene	4.9	U	4.9	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Chloromethane	4.9	U	4.9	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.71	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Cyclohexane	4.9	U	4.9	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Dibromochloromethane	4.9	U	4.9	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Dichlorodifluoromethane	4.9	U	4.9	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Ethylbenzene	0.46	J	4.9	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Isopropylbenzene	4.9	U	4.9	0.74	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Methylcyclohexane	1.2	J	4.9	0.75	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Methylene Chloride	4.9	U	4.9	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Styrene	4.9	U	4.9	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Tetrachloroethene	4.9	U	4.9	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Toluene	3.0	J	4.9	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Trichlorofluoromethane	4.9	U	4.9	0.47	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Vinyl chloride	4.9	U	4.9	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1
Xylenes, Total	3.5	J	9.8	0.83	ug/Kg	☼	08/04/21 10:50	08/06/21 02:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	6.2	T J	ug/Kg	☼	3.23		08/04/21 10:50	08/06/21 02:02	1
Nonane	6.2	T J N	ug/Kg	☼	8.48	111-84-2	08/04/21 10:50	08/06/21 02:02	1
Decane	5.2	T J N	ug/Kg	☼	9.90	124-18-5	08/04/21 10:50	08/06/21 02:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Date Collected: 08/02/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	08/04/21 10:50	08/06/21 02:02	1
4-Bromofluorobenzene (Surr)	100		72 - 126	08/04/21 10:50	08/06/21 02:02	1
Dibromofluoromethane (Surr)	71		60 - 140	08/04/21 10:50	08/06/21 02:02	1
Toluene-d8 (Surr)	100		71 - 125	08/04/21 10:50	08/06/21 02:02	1

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
1,4-Dioxane	110	U	110	63	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4,5-Trichlorophenol	190	U	190	53	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4-Dichlorophenol	190	U	190	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4-Dimethylphenol	190	U	190	47	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Chlorophenol	380	U	380	35	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
2-Nitrophenol	190	U	190	55	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4,6-Dinitro-2-methylphenol	380	U	380	190	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Chloroaniline	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Acenaphthene	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Anthracene	190	U	190	48	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Atrazine	190	U	190	67	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzo[a]pyrene	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzo[g,h,i]perylene	190	U	190	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Biphenyl	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Caprolactam	190	U	190	58	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Carbazole	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Chrysene	190	U	190	43	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Fluoranthene	190	U	190	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Fluorene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Hexachlorobutadiene	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Isophorone	190	U	190	41	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Nitrobenzene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Pentachlorophenol	380	U	380	190	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Phenanthrene	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Phenol	79	J	190	30	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1
Pyrene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	280	T J	ug/Kg	☼	3.03		08/05/21 08:10	08/09/21 17:55	1
Ethane, 1,1,2,2-tetrachloro-	190	T J N	ug/Kg	☼	4.23	79-34-5	08/05/21 08:10	08/09/21 17:55	1
Cyclic octaatomic sulfur	450	T J N	ug/Kg	☼	11.82	10544-50-0	08/05/21 08:10	08/09/21 17:55	1
9-Octadecenamide, (Z)-	150	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	76		54 - 120	08/05/21 08:10	08/09/21 17:55	1
2-Fluorobiphenyl (Surr)	84		60 - 120	08/05/21 08:10	08/09/21 17:55	1
2-Fluorophenol (Surr)	65		52 - 120	08/05/21 08:10	08/09/21 17:55	1
Nitrobenzene-d5 (Surr)	72		53 - 120	08/05/21 08:10	08/09/21 17:55	1
Phenol-d5 (Surr)	73		54 - 120	08/05/21 08:10	08/09/21 17:55	1
p-Terphenyl-d14 (Surr)	95		79 - 130	08/05/21 08:10	08/09/21 17:55	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 17:10	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 17:10	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 17:10	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 17:10	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
beta-BHC	1.3	J	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
cis-Chlordane	1.9	U	1.9	0.97	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Dieldrin	1.9	U	1.9	0.47	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endrin aldehyde	1.9	U	1.9	0.50	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Endrin ketone	1.9	U	1.9	0.48	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
gamma-BHC (Lindane)	0.55	J B	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Methoxychlor	1.9	U	1.9	0.40	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	✱	08/06/21 08:09	08/09/21 17:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	74		45 - 120	08/06/21 08:09	08/09/21 17:10	1
DCB Decachlorobiphenyl	95		45 - 120	08/06/21 08:09	08/09/21 17:10	1
Tetrachloro-m-xylene	68		30 - 124	08/06/21 08:09	08/09/21 17:10	1
Tetrachloro-m-xylene	70		30 - 124	08/06/21 08:09	08/09/21 17:10	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.21	U	0.21	0.041	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1221	0.21	U	0.21	0.041	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1232	0.21	U	0.21	0.041	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1242	0.21	U	0.21	0.041	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1248	0.21	U	0.21	0.041	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1254	0.21	U	0.21	0.097	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1
PCB-1260	0.21	U	0.21	0.097	mg/Kg	✱	08/06/21 08:18	08/09/21 02:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	08/06/21 08:18	08/09/21 02:33	1
Tetrachloro-m-xylene	116		60 - 154	08/06/21 08:18	08/09/21 02:33	1
DCB Decachlorobiphenyl	85		65 - 174	08/06/21 08:18	08/09/21 02:33	1
DCB Decachlorobiphenyl	93		65 - 174	08/06/21 08:18	08/09/21 02:33	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	08/10/21 07:29	08/12/21 18:01	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✱	08/10/21 07:29	08/12/21 18:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		28 - 129	08/10/21 07:29	08/12/21 18:01	1
2,4-Dichlorophenylacetic acid	73		28 - 129	08/10/21 07:29	08/12/21 18:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.9

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6810		11.6	5.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Antimony	17.4	U	17.4	0.46	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Arsenic	3.5		2.3	0.46	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Barium	38.4	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Beryllium	0.38		0.23	0.032	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Cadmium	0.067	J	0.23	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Calcium	93700	B	57.9	3.8	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Chromium	9.4		0.58	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Cobalt	6.0		0.58	0.058	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Copper	11.4		1.2	0.24	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Iron	11100		11.6	4.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Lead	12.5		2.3	0.56	mg/Kg	☼	08/06/21 12:44	08/11/21 23:00	2
Magnesium	12300		23.2	1.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Manganese	326		0.23	0.037	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Nickel	13.1		5.8	0.27	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Potassium	2910		34.8	23.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Selenium	1.1	J	4.6	0.46	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Silver	0.27	J	0.70	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Sodium	458		162	15.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Vanadium	11.5	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1
Zinc	26.2		2.3	0.74	mg/Kg	☼	08/06/21 12:44	08/10/21 00:14	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0083	J	0.022	0.0051	mg/Kg	☼	08/09/21 15:01	08/09/21 16:49	1

Client Sample ID: B-21-129(0-1)(08022021)

Lab Sample ID: 480-187922-6

Date Collected: 08/02/21 13:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.2	U	2.2	0.017	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.2	U	2.2	0.034	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.050	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.040	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.010	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorobutanoic acid (PFBA)	0.39	J	0.54	0.18	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.013	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.013	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.023	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.016	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.022	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.015	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.024	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(0-1)(08022021)

Lab Sample ID: 480-187922-6

Date Collected: 08/02/21 13:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.3

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.020	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.019	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorooctanesulfonic acid (PFOS)	0.024	J I	0.22	0.017	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.027	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.042	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.025	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluorotridecanoic acid (PFTriA)	0.22	U	0.22	0.016	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.022	ug/Kg	☼	08/05/21 11:16	08/06/21 19:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	75		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C2 PFDoA	76		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C2 PFHxA	82		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C2 PFTeDA	73		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C2 PFUnA	75		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C3 PFBS	74		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C4 PFBA	75		25 - 150	08/05/21 11:16	08/06/21 19:05	1
13C4 PFHpA	81		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C4 PFOA	84		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C4 PFOS	72		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C5 PFNA	82		50 - 150	08/05/21 11:16	08/06/21 19:05	1
13C5 PFPeA	81		25 - 150	08/05/21 11:16	08/06/21 19:05	1
13C8 FOSA	71		25 - 150	08/05/21 11:16	08/06/21 19:05	1
18O2 PFHxS	72		50 - 150	08/05/21 11:16	08/06/21 19:05	1
d3-NMeFOSAA	66		50 - 150	08/05/21 11:16	08/06/21 19:05	1
d5-NEtFOSAA	66		50 - 150	08/05/21 11:16	08/06/21 19:05	1
M2-6:2 FTS	68		25 - 150	08/05/21 11:16	08/06/21 19:05	1
M2-8:2 FTS	59		25 - 150	08/05/21 11:16	08/06/21 19:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	58500	^	1000	671	mg/Kg			08/09/21 17:10	1

Client Sample ID: B-21-129(2-3)(08022021)

Lab Sample ID: 480-187922-7

Date Collected: 08/02/21 13:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,1,1,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,2-Dichlorobenzene	4.5	U	4.5	0.36	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(2-3)(08022021)

Lab Sample ID: 480-187922-7

Date Collected: 08/02/21 13:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Acetone	35		23	3.8	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Cyclohexane	4.5	U	4.5	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Dichlorodifluoromethane	4.5	U	4.5	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Isopropylbenzene	4.5	U	4.5	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Vinyl chloride	4.5	U	4.5	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 02:26	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.7	TJ	ug/Kg	☼	3.23		08/04/21 10:50	08/06/21 02:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/04/21 10:50	08/06/21 02:26	1
4-Bromofluorobenzene (Surr)	99		72 - 126	08/04/21 10:50	08/06/21 02:26	1
Dibromofluoromethane (Surr)	104		60 - 140	08/04/21 10:50	08/06/21 02:26	1
Toluene-d8 (Surr)	99		71 - 125	08/04/21 10:50	08/06/21 02:26	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	32	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
1,4-Dioxane	110	U	110	61	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4,5-Trichlorophenol	190	U	190	51	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4-Dimethylphenol	190	U	190	45	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4-Dinitrophenol	1800	U	1800	870	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Chlorophenol	360	U	360	34	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Methylphenol	190	U	190	22	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Nitroaniline	360	U	360	28	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
2-Nitrophenol	190	U	190	53	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
3,3'-Dichlorobenzidine	360	U	360	220	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
3-Nitroaniline	360	U	360	52	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4,6-Dinitro-2-methylphenol	360	U	360	190	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Chloro-3-methylphenol	190	U	190	46	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Chloroaniline	190	U	190	46	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Chlorophenyl phenyl ether	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Methylphenol	360	U	360	22	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Nitroaniline	360	U	360	98	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
4-Nitrophenol	360	U	360	130	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Acenaphthene	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Acenaphthylene	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Acetophenone	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Anthracene	190	U	190	46	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Atrazine	190	U	190	65	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Benzo[k]fluoranthene	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Biphenyl	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Bis(2-chloroethyl)ether	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Bis(2-ethylhexyl) phthalate	190	U	190	64	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Caprolactam	190	U	190	56	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Carbazole	190	U	190	22	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Chrysene	190	U	190	42	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Dibenz(a,h)anthracene	190	U	190	33	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Dibenzofuran	190	U	190	22	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1
Diethyl phthalate	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 18:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Di-n-butyl phthalate	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Fluoranthene	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Fluorene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Hexachlorobenzene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Hexachlorocyclopentadiene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Hexachloroethane	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Indeno[1,2,3-cd]pyrene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Isophorone	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Naphthalene	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
N-Nitrosodi-n-propylamine	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Pentachlorophenol	360	U	360	190	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Phenol	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1
Pyrene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 18:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	260	T J	ug/Kg	☼	3.00		08/05/21 08:10	08/09/21 18:19	1
Ethane, 1,1,2,2-tetrachloro-	230	T J N	ug/Kg	☼	4.20	79-34-5	08/05/21 08:10	08/09/21 18:19	1
9-Octadecenamide, (Z)-	420	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	08/05/21 08:10	08/09/21 18:19	1
2-Fluorobiphenyl (Surr)	82		60 - 120	08/05/21 08:10	08/09/21 18:19	1
2-Fluorophenol (Surr)	70		52 - 120	08/05/21 08:10	08/09/21 18:19	1
Nitrobenzene-d5 (Surr)	72		53 - 120	08/05/21 08:10	08/09/21 18:19	1
Phenol-d5 (Surr)	77		54 - 120	08/05/21 08:10	08/09/21 18:19	1
p-Terphenyl-d14 (Surr)	95		79 - 130	08/05/21 08:10	08/09/21 18:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
4,4'-DDE	1.9	U	1.9	0.39	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
4,4'-DDT	1.9	U	1.9	0.43	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
alpha-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
beta-BHC	1.9	U	1.9	0.33	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
cis-Chlordane	1.9	U	1.9	0.92	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
delta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Dieldrin	1.9	U	1.9	0.44	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endosulfan II	1.9	U	1.9	0.33	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endrin aldehyde	0.67	J	1.9	0.47	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Endrin ketone	0.56	J	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.51	J B	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Heptachlor	1.9	U	1.9	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Heptachlor epoxide	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1
trans-Chlordane	1.9	U	1.9	0.59	ug/Kg	☼	08/06/21 08:09	08/09/21 12:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		45 - 120	08/06/21 08:09	08/09/21 12:37	1
DCB Decachlorobiphenyl	89		45 - 120	08/06/21 08:09	08/09/21 12:37	1
Tetrachloro-m-xylene	90		30 - 124	08/06/21 08:09	08/09/21 12:37	1
Tetrachloro-m-xylene	73		30 - 124	08/06/21 08:09	08/09/21 12:37	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.053	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1221	0.27	U	0.27	0.053	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1232	0.27	U	0.27	0.053	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1242	0.27	U	0.27	0.053	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1248	0.27	U	0.27	0.053	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	☼	08/06/21 08:18	08/09/21 02:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154	08/06/21 08:18	08/09/21 02:07	1
Tetrachloro-m-xylene	113		60 - 154	08/06/21 08:18	08/09/21 02:07	1
DCB Decachlorobiphenyl	92		65 - 174	08/06/21 08:18	08/09/21 02:07	1
DCB Decachlorobiphenyl	99		65 - 174	08/06/21 08:18	08/09/21 02:07	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	12	ug/Kg	☼	08/10/21 07:29	08/12/21 18:31	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	08/10/21 07:29	08/12/21 18:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	08/10/21 07:29	08/12/21 18:31	1
2,4-Dichlorophenylacetic acid	79		28 - 129	08/10/21 07:29	08/12/21 18:31	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8220		11.7	5.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Antimony	17.5	U	17.5	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Arsenic	5.0		2.3	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Barium	23.2	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Beryllium	0.44		0.23	0.033	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Cadmium	0.23	U	0.23	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Calcium	142000	B	117	7.7	mg/Kg	☼	08/06/21 12:44	08/10/21 19:35	2
Chromium	10.4		0.58	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Cobalt	4.7		0.58	0.058	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Copper	8.1		2.3	0.49	mg/Kg	☼	08/06/21 12:44	08/10/21 19:35	2
Iron	11400		11.7	4.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15.0		1.2	0.28	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Magnesium	18500		23.4	1.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Manganese	275		0.23	0.037	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Nickel	11.0		5.8	0.27	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Potassium	3850		35.1	23.4	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Selenium	0.62	J	4.7	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Silver	0.70	U	0.70	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Sodium	156	J	164	15.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Vanadium	12.0	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1
Zinc	15.1		2.3	0.75	mg/Kg	☼	08/06/21 12:44	08/10/21 00:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	U	0.024	0.0056	mg/Kg	☼	08/09/21 15:01	08/09/21 16:50	1

Client Sample ID: B-21-129(4-5)(08022021)

Lab Sample ID: 480-187922-9

Date Collected: 08/02/21 14:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Acetone	42		23	4.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(4-5)(08022021)

Lab Sample ID: 480-187922-9

Date Collected: 08/02/21 14:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Methylcyclohexane	4.7	U	4.7	0.71	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Toluene	4.7	U	4.7	0.35	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Vinyl chloride	4.7	U	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	08/04/21 10:50	08/06/21 02:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 02:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	08/04/21 10:50	08/06/21 02:50	1
4-Bromofluorobenzene (Surr)	102		72 - 126	08/04/21 10:50	08/06/21 02:50	1
Dibromofluoromethane (Surr)	105		60 - 140	08/04/21 10:50	08/06/21 02:50	1
Toluene-d8 (Surr)	102		71 - 125	08/04/21 10:50	08/06/21 02:50	1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,1,1,2-Tetrachloroethane	4.1	U	4.1	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2-Dibromoethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2-Dichloroethane	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
1,4-Dichlorobenzene	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	4.5	J	20	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Acetone	92		20	3.4	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Bromodichloromethane	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Carbon tetrachloride	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Chloroethane	4.1	U	4.1	0.92	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Cyclohexane	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Isopropylbenzene	4.1	U	4.1	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Methyl acetate	20	U	20	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Methylcyclohexane	1.3	J	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Tetrachloroethene	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Toluene	0.99	J	4.1	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Trichloroethene	4.1	U	4.1	0.89	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Trichlorofluoromethane	4.1	U	4.1	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1
Xylenes, Total	0.95	J	8.1	0.68	ug/Kg	☼	08/04/21 10:50	08/06/21 03:14	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 03:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	101		64 - 126	08/04/21 10:50	08/06/21 03:14	1
4-Bromofluorobenzene (Surr)	97		72 - 126	08/04/21 10:50	08/06/21 03:14	1
Dibromofluoromethane (Surr)	104		60 - 140	08/04/21 10:50	08/06/21 03:14	1
Toluene-d8 (Surr)	103		71 - 125	08/04/21 10:50	08/06/21 03:14	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
3-Nitroaniline	380	U	380	55	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Atrazine	200	U	200	69	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 18:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	250	T J	ug/Kg	☼	3.01		08/05/21 08:10	08/09/21 18:43	1
9-Octadecenamide, (Z)-	180	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 18:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	83		54 - 120	08/05/21 08:10	08/09/21 18:43	1
2-Fluorobiphenyl (Surr)	78		60 - 120	08/05/21 08:10	08/09/21 18:43	1
2-Fluorophenol (Surr)	64		52 - 120	08/05/21 08:10	08/09/21 18:43	1
Nitrobenzene-d5 (Surr)	70		53 - 120	08/05/21 08:10	08/09/21 18:43	1
Phenol-d5 (Surr)	72		54 - 120	08/05/21 08:10	08/09/21 18:43	1
p-Terphenyl-d14 (Surr)	92		79 - 130	08/05/21 08:10	08/09/21 18:43	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
beta-BHC	0.65	J	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
cis-Chlordane	1.9	U	1.9	0.97	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Dieldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endrin aldehyde	1.9	U	1.9	0.50	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Endrin ketone	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
gamma-BHC (Lindane)	0.76	J B	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Methoxychlor	1.9	U	1.9	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	☼	08/06/21 08:09	08/09/21 12:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		45 - 120				08/06/21 08:09	08/09/21 12:56	1
DCB Decachlorobiphenyl	100		45 - 120				08/06/21 08:09	08/09/21 12:56	1
Tetrachloro-m-xylene	110		30 - 124				08/06/21 08:09	08/09/21 12:56	1
Tetrachloro-m-xylene	85		30 - 124				08/06/21 08:09	08/09/21 12:56	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.049	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1221	0.25	U	0.25	0.049	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1232	0.25	U	0.25	0.049	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1242	0.25	U	0.25	0.049	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1248	0.25	U	0.25	0.049	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	08/06/21 08:18	08/09/21 02:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	120		60 - 154				08/06/21 08:18	08/09/21 02:46	1
Tetrachloro-m-xylene	127		60 - 154				08/06/21 08:18	08/09/21 02:46	1
DCB Decachlorobiphenyl	98		65 - 174				08/06/21 08:18	08/09/21 02:46	1
DCB Decachlorobiphenyl	109		65 - 174				08/06/21 08:18	08/09/21 02:46	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	08/10/21 07:29	08/12/21 19:01	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	08/10/21 07:29	08/12/21 19:01	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		28 - 129				08/10/21 07:29	08/12/21 19:01	1
2,4-Dichlorophenylacetic acid	72		28 - 129				08/10/21 07:29	08/12/21 19:01	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7560		11.7	5.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Antimony	17.6	U	17.6	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Arsenic	4.4		2.3	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Barium	14.6	B	0.59	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Beryllium	0.43		0.23	0.033	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Cadmium	0.23	U	0.23	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Calcium	122000	B	117	7.7	mg/Kg	☼	08/06/21 12:44	08/10/21 19:39	2
Chromium	9.1		0.59	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Cobalt	4.5		0.59	0.059	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Copper	5.5		2.3	0.49	mg/Kg	☼	08/06/21 12:44	08/10/21 19:39	2
Iron	9830		11.7	4.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Lead	11.4		1.2	0.28	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Magnesium	19800		23.5	1.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Manganese	228		0.23	0.038	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Nickel	10.8		5.9	0.27	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Potassium	4130		35.2	23.5	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Silver	0.70	U	0.70	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Sodium	148	J	164	15.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Vanadium	10.4	B	0.59	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1
Zinc	8.5		2.3	0.75	mg/Kg	☼	08/06/21 12:44	08/10/21 00:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0043	J	0.017	0.0040	mg/Kg	☼	08/09/21 15:01	08/09/21 16:52	1

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
2-Nitrophenol	200	U	200	55	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Atrazine	200	U	200	68	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Naphthalene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 17:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	210	T J	ug/Kg	☼	1.62		08/05/21 08:10	08/09/21 17:07	1
Unknown	6300	T J	ug/Kg	☼	1.77		08/05/21 08:10	08/09/21 17:07	1
Unknown	360	T J	ug/Kg	☼	3.03		08/05/21 08:10	08/09/21 17:07	1
Unknown	330	T J	ug/Kg	☼	12.58		08/05/21 08:10	08/09/21 17:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120	08/05/21 08:10	08/09/21 17:07	1
2-Fluorobiphenyl (Surr)	94		60 - 120	08/05/21 08:10	08/09/21 17:07	1
2-Fluorophenol (Surr)	80		52 - 120	08/05/21 08:10	08/09/21 17:07	1
Nitrobenzene-d5 (Surr)	81		53 - 120	08/05/21 08:10	08/09/21 17:07	1
Phenol-d5 (Surr)	86		54 - 120	08/05/21 08:10	08/09/21 17:07	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/05/21 08:10	08/09/21 17:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
beta-BHC	0.41	J	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
gamma-BHC (Lindane)	0.57	J B	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
Toxaphene	19	U	19	11	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	✳	08/06/21 08:09	08/09/21 13:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	96		45 - 120	08/06/21 08:09	08/09/21 13:16	1
DCB Decachlorobiphenyl	98		45 - 120	08/06/21 08:09	08/09/21 13:16	1
Tetrachloro-m-xylene	103		30 - 124	08/06/21 08:09	08/09/21 13:16	1
Tetrachloro-m-xylene	79		30 - 124	08/06/21 08:09	08/09/21 13:16	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.039	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1221	0.20	U	0.20	0.039	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1232	0.20	U	0.20	0.039	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1242	0.20	U	0.20	0.039	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1248	0.20	U	0.20	0.039	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1254	0.20	U	0.20	0.094	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1
PCB-1260	0.20	U	0.20	0.094	mg/Kg	✳	08/06/21 08:18	08/09/21 02:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	110		60 - 154	08/06/21 08:18	08/09/21 02:58	1
Tetrachloro-m-xylene	118		60 - 154	08/06/21 08:18	08/09/21 02:58	1
DCB Decachlorobiphenyl	90		65 - 174	08/06/21 08:18	08/09/21 02:58	1
DCB Decachlorobiphenyl	99		65 - 174	08/06/21 08:18	08/09/21 02:58	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	08/10/21 07:29	08/12/21 19:30	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	✳	08/10/21 07:29	08/12/21 19:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	70		28 - 129	08/10/21 07:29	08/12/21 19:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Method: 8151A - Herbicides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	75		28 - 129	08/10/21 07:29	08/12/21 19:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5360		11.4	5.0	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Antimony	17.1	U	17.1	0.46	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Arsenic	5.7		2.3	0.46	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Barium	10.7	B	0.57	0.13	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Beryllium	0.38		0.23	0.032	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Cadmium	0.23	U	0.23	0.034	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Calcium	195000	B	114	7.5	mg/Kg	☆	08/06/21 12:44	08/10/21 19:42	2
Chromium	6.9		0.57	0.23	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Cobalt	4.9		0.57	0.057	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Copper	7.7		2.3	0.48	mg/Kg	☆	08/06/21 12:44	08/10/21 19:42	2
Iron	10600		11.4	4.0	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Lead	18.9		1.1	0.27	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Magnesium	34000		22.8	1.1	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Manganese	398		0.23	0.037	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Nickel	9.9		5.7	0.26	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Potassium	2870		34.3	22.8	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Selenium	0.65	J	4.6	0.46	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Silver	0.69	U	0.69	0.23	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Sodium	170		160	14.8	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Thallium	6.9	U	6.9	0.34	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Vanadium	8.4	B	0.57	0.13	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1
Zinc	5.7		2.3	0.73	mg/Kg	☆	08/06/21 12:44	08/10/21 00:25	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0051	mg/Kg	☆	08/09/21 15:01	08/09/21 16:53	1

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
1,4-Dioxane	120	U	120	65	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,3,4,6-Tetrachlorophenol	200	U	200	42	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4,5-Trichlorophenol	200	U	200	55	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,4-Dinitrotoluene	200	U	200	42	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2-Chlorophenol	390	U	390	37	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☆	08/05/21 08:10	08/09/21 19:07	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
2-Nitroaniline	390	U	390	30	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
2-Nitrophenol	200	U	200	57	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
3-Nitroaniline	390	U	390	56	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Chloroaniline	200	U	200	50	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Methylphenol	390	U	390	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Nitroaniline	390	U	390	110	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
4-Nitrophenol	390	U	390	140	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Acenaphthene	200	U	200	30	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Acenaphthylene	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Acetophenone	200	U	200	27	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Anthracene	200	U	200	50	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Atrazine	200	U	200	70	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzaldehyde	200	U	200	160	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Biphenyl	200	U	200	30	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Caprolactam	200	U	200	60	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Carbazole	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Chrysene	200	U	200	45	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Dibenzofuran	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Diethyl phthalate	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Dimethyl phthalate	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Fluoranthene	200	U	200	21	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Fluorene	200	U	200	24	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Hexachlorobenzene	200	U	200	27	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Hexachloroethane	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Isophorone	200	U	200	43	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Naphthalene	200	U	200	26	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1
Nitrobenzene	200	U	200	23	ug/Kg	✳	08/05/21 08:10	08/09/21 19:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1
Phenanthrene	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1
Phenol	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1
Pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 19:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	310	T J	ug/Kg	☼	3.02		08/05/21 08:10	08/09/21 19:07	1
9-Octadecenamamide, (Z)-	310	T J N	ug/Kg	☼	12.57	301-02-0	08/05/21 08:10	08/09/21 19:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		54 - 120	08/05/21 08:10	08/09/21 19:07	1
2-Fluorobiphenyl (Surr)	88		60 - 120	08/05/21 08:10	08/09/21 19:07	1
2-Fluorophenol (Surr)	75		52 - 120	08/05/21 08:10	08/09/21 19:07	1
Nitrobenzene-d5 (Surr)	79		53 - 120	08/05/21 08:10	08/09/21 19:07	1
Phenol-d5 (Surr)	83		54 - 120	08/05/21 08:10	08/09/21 19:07	1
p-Terphenyl-d14 (Surr)	97		79 - 130	08/05/21 08:10	08/09/21 19:07	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
beta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
delta-BHC	0.60	J	2.0	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endosulfan sulfate	0.49	J	2.0	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Endrin ketone	0.60	J	2.0	0.49	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
gamma-BHC (Lindane)	0.55	J B	2.0	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
Toxaphene	20	U	20	11	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	08/06/21 08:09	08/09/21 13:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		45 - 120	08/06/21 08:09	08/09/21 13:35	1
DCB Decachlorobiphenyl	97		45 - 120	08/06/21 08:09	08/09/21 13:35	1
Tetrachloro-m-xylene	87		30 - 124	08/06/21 08:09	08/09/21 13:35	1
Tetrachloro-m-xylene	86		30 - 124	08/06/21 08:09	08/09/21 13:35	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.21	U	0.21	0.040	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1221	0.21	U	0.21	0.040	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1232	0.21	U	0.21	0.040	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1242	0.21	U	0.21	0.040	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1248	0.21	U	0.21	0.040	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1254	0.21	U	0.21	0.096	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1
PCB-1260	0.21	U	0.21	0.096	mg/Kg	✳	08/06/21 08:18	08/09/21 03:11	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	121		60 - 154	08/06/21 08:18	08/09/21 03:11	1
Tetrachloro-m-xylene	127		60 - 154	08/06/21 08:18	08/09/21 03:11	1
DCB Decachlorobiphenyl	98		65 - 174	08/06/21 08:18	08/09/21 03:11	1
DCB Decachlorobiphenyl	109		65 - 174	08/06/21 08:18	08/09/21 03:11	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.20	U	0.20	0.13	ug/Kg	✳	08/10/21 07:29	08/12/21 20:00	1
Silvex (2,4,5-TP)	0.20	U	0.20	0.072	ug/Kg	✳	08/10/21 07:29	08/12/21 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 20:00	1
2,4-Dichlorophenylacetic acid	62		28 - 129	08/10/21 07:29	08/12/21 20:00	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13800		12.5	5.5	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Antimony	18.7	U	18.7	0.50	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Arsenic	6.1		2.5	0.50	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Barium	53.6	B	0.62	0.14	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Beryllium	0.73		0.25	0.035	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Cadmium	0.20	J	0.25	0.037	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Calcium	67400	B	62.3	4.1	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Chromium	16.4		0.62	0.25	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Cobalt	8.3		0.62	0.062	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Copper	8.4		1.2	0.26	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Iron	17300		12.5	4.4	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Lead	26.0		1.2	0.30	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Magnesium	17300		24.9	1.2	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Manganese	601		0.25	0.040	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Nickel	14.9		6.2	0.29	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Potassium	4060		37.4	24.9	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Selenium	5.0	U	5.0	0.50	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Silver	0.75	U	0.75	0.25	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Sodium	157	J	174	16.2	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Thallium	7.5	U	7.5	0.37	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Vanadium	21.5	B	0.62	0.14	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1
Zinc	22.6		2.5	0.80	mg/Kg	✳	08/06/21 12:44	08/10/21 00:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025		0.024	0.0056	mg/Kg	✳	08/09/21 15:01	08/09/21 16:54	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(2-3)(08022021)

Lab Sample ID: 480-187922-13

Date Collected: 08/02/21 15:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Acetone	41		21	3.6	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Bromodichloromethane	4.3	U	4.3	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Chloroethane	4.3	U	4.3	0.97	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Chloromethane	4.3	U	4.3	0.26	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Vinyl chloride	4.3	U	4.3	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	08/04/21 10:50	08/06/21 03:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(2-3)(08022021)

Lab Sample ID: 480-187922-13

Date Collected: 08/02/21 15:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.2

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			<i>08/04/21 10:50</i>	<i>08/06/21 03:37</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	112		64 - 126				<i>08/04/21 10:50</i>	<i>08/06/21 03:37</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	104		72 - 126				<i>08/04/21 10:50</i>	<i>08/06/21 03:37</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	106		60 - 140				<i>08/04/21 10:50</i>	<i>08/06/21 03:37</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	98		71 - 125				<i>08/04/21 10:50</i>	<i>08/06/21 03:37</i>	<i>1</i>

Client Sample ID: B-21-123(7-8)(08022021)

Lab Sample ID: 480-187922-14

Date Collected: 08/02/21 15:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 81.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2-Dibromoethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2-Dichloroethane	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
1,4-Dichlorobenzene	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
2-Butanone (MEK)	2.3	J	20	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Acetone	100		20	3.4	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Chloroethane	4.1	U	4.1	0.92	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Cyclohexane	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Methyl acetate	20	U	20	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(7-8)(08022021)

Lab Sample ID: 480-187922-14

Date Collected: 08/02/21 15:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 81.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Toluene	4.1	U	4.1	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1
Xylenes, Total	8.2	U	8.2	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 04:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 04:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126	08/04/21 10:50	08/06/21 04:01	1
4-Bromofluorobenzene (Surr)	104		72 - 126	08/04/21 10:50	08/06/21 04:01	1
Dibromofluoromethane (Surr)	103		60 - 140	08/04/21 10:50	08/06/21 04:01	1
Toluene-d8 (Surr)	101		71 - 125	08/04/21 10:50	08/06/21 04:01	1

Client Sample ID: B-21-123(8-9)(08022021)

Lab Sample ID: 480-187922-15

Date Collected: 08/02/21 15:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.89	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,1,2-Trichloroethane	3.9	U	3.9	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,1-Dichloroethane	3.9	U	3.9	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,1-Dichloroethene	3.9	U	3.9	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2-Dichlorobenzene	3.9	U	3.9	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2-Dichloroethane	3.9	U	3.9	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,2-Dichloropropane	3.9	U	3.9	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
1,4-Dichlorobenzene	3.9	U	3.9	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
2-Butanone (MEK)	20	U	20	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Acetone	79		20	3.3	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Benzene	3.9	U	3.9	0.19	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Bromoform	3.9	U	3.9	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Carbon disulfide	3.9	U	3.9	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(8-9)(08022021)

Lab Sample ID: 480-187922-15

Date Collected: 08/02/21 15:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	3.9	U	3.9	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Chlorobenzene	3.9	U	3.9	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Chloroethane	3.9	U	3.9	0.89	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Chloromethane	3.9	U	3.9	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Cyclohexane	3.9	U	3.9	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Dichlorodifluoromethane	3.9	U	3.9	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Isopropylbenzene	3.9	U	3.9	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Methylcyclohexane	3.9	U	3.9	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Methylene Chloride	3.9	U	3.9	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Styrene	3.9	U	3.9	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Tetrachloroethene	3.9	U	3.9	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Toluene	0.37	J	3.9	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Trichloroethene	3.9	U	3.9	0.86	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Trichlorofluoromethane	3.9	U	3.9	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Vinyl chloride	3.9	U	3.9	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1
Xylenes, Total	7.8	U	7.8	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 04:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 04:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	102		64 - 126	08/04/21 10:50	08/06/21 04:25	1
4-Bromofluorobenzene (Surr)	95		72 - 126	08/04/21 10:50	08/06/21 04:25	1
Dibromofluoromethane (Surr)	102		60 - 140	08/04/21 10:50	08/06/21 04:25	1
Toluene-d8 (Surr)	101		71 - 125	08/04/21 10:50	08/06/21 04:25	1

Client Sample ID: B-21-116(1-2)(08032021)

Lab Sample ID: 480-187922-16

Date Collected: 08/03/21 07:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(1-2)(08032021)

Lab Sample ID: 480-187922-16

Date Collected: 08/03/21 07:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Acetone	57		21	3.5	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Chlorobenzene	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Ethylbenzene	4.1	U	4.1	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Toluene	0.48	J	4.1	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1
Xylenes, Total	8.3	U	8.3	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 04:49	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 04:49	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	109		64 - 126	08/04/21 10:50	08/06/21 04:49	1
4-Bromofluorobenzene (Surr)	98		72 - 126	08/04/21 10:50	08/06/21 04:49	1
Dibromofluoromethane (Surr)	108		60 - 140	08/04/21 10:50	08/06/21 04:49	1
Toluene-d8 (Surr)	104		71 - 125	08/04/21 10:50	08/06/21 04:49	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(3-4)(08032021)

Lab Sample ID: 480-187922-17

Date Collected: 08/03/21 07:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.77	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,1,2-Trichloroethane	4.7	U	4.7	0.62	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
2-Butanone (MEK)	5.5	J	24	1.7	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Acetone	100		24	4.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Bromodichloromethane	4.7	U	4.7	0.64	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Bromomethane	4.7	U	4.7	0.43	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Chlorobenzene	4.7	U	4.7	0.63	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Chloromethane	4.7	U TH	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.61	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Dibromochloromethane	4.7	U	4.7	0.61	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Isopropylbenzene	4.7	U	4.7	0.72	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Methyl tert-butyl ether	4.7	U	4.7	0.47	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Methylcyclohexane	4.7	U	4.7	0.72	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Methylene Chloride	2.8	J	4.7	2.2	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Tetrachloroethene	4.7	U	4.7	0.64	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Vinyl chloride	4.7	U TH	4.7	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1
Xylenes, Total	9.5	U	9.5	0.80	ug/Kg	☼	08/04/21 10:50	08/05/21 22:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(3-4)(08032021)

Lab Sample ID: 480-187922-17

Date Collected: 08/03/21 07:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.9

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Benzene, 1-methyl-4-(1-methylethyl)-	11	T J N	ug/Kg	☼	10.62	99-87-6	08/04/21 10:50	08/05/21 22:24	1
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2-Dichloroethane-d4 (Surr)	114		64 - 126				08/04/21 10:50	08/05/21 22:24	1
4-Bromofluorobenzene (Surr)	91		72 - 126				08/04/21 10:50	08/05/21 22:24	1
Dibromofluoromethane (Surr)	103		60 - 140				08/04/21 10:50	08/05/21 22:24	1
Toluene-d8 (Surr)	98		71 - 125				08/04/21 10:50	08/05/21 22:24	1

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
3-Nitroaniline	380	U	380	55	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Atrazine	200	U	200	69	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 19:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	250	T J	ug/Kg	☼	3.05		08/05/21 08:10	08/09/21 19:32	1
9-Octadecenamide, (Z)-	530	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 19:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120	08/05/21 08:10	08/09/21 19:32	1
2-Fluorobiphenyl (Surr)	80		60 - 120	08/05/21 08:10	08/09/21 19:32	1
2-Fluorophenol (Surr)	73		52 - 120	08/05/21 08:10	08/09/21 19:32	1
Nitrobenzene-d5 (Surr)	73		53 - 120	08/05/21 08:10	08/09/21 19:32	1
Phenol-d5 (Surr)	79		54 - 120	08/05/21 08:10	08/09/21 19:32	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/05/21 08:10	08/09/21 19:32	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.59	J	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 11:38	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 11:38	1
4,4'-DDT	1.9	U	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 11:38	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 11:38	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
beta-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
cis-Chlordane	1.9	U	1.9	0.97	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Dieldrin	1.9	U	1.9	0.47	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endosulfan I	0.39	J	1.9	0.37	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endosulfan II	0.42	J	1.9	0.35	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endosulfan sulfate	0.59	J	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endrin	1.9	U	1.9	0.39	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endrin aldehyde	1.9	U	1.9	0.50	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Endrin ketone	0.73	J	1.9	0.48	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
gamma-BHC (Lindane)	0.67	J B T	1.9	0.36	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Methoxychlor	1.9	U	1.9	0.40	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1
trans-Chlordane	0.92	J	1.9	0.62	ug/Kg	✱	08/06/21 08:09	08/09/21 11:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		45 - 120	08/06/21 08:09	08/09/21 11:38	1
DCB Decachlorobiphenyl	99		45 - 120	08/06/21 08:09	08/09/21 11:38	1
Tetrachloro-m-xylene	88		30 - 124	08/06/21 08:09	08/09/21 11:38	1
Tetrachloro-m-xylene	70		30 - 124	08/06/21 08:09	08/09/21 11:38	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	✱	08/06/21 08:18	08/09/21 03:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	113		60 - 154	08/06/21 08:18	08/09/21 03:24	1
Tetrachloro-m-xylene	125		60 - 154	08/06/21 08:18	08/09/21 03:24	1
DCB Decachlorobiphenyl	94		65 - 174	08/06/21 08:18	08/09/21 03:24	1
DCB Decachlorobiphenyl	108		65 - 174	08/06/21 08:18	08/09/21 03:24	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	08/10/21 07:29	08/12/21 17:02	1
Silvex (2,4,5-TP)	19	U	19	7.0	ug/Kg	✱	08/10/21 07:29	08/12/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 17:02	1
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 17:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9800		12.0	5.3	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Antimony	18.0	U	18.0	0.48	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Arsenic	4.6		2.4	0.48	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Barium	25.2	B	0.60	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Beryllium	0.51		0.24	0.034	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Cadmium	0.056	J	0.24	0.036	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Calcium	128000	B	120	7.9	mg/Kg	☼	08/06/21 12:44	08/10/21 19:46	2
Chromium	11.5		0.60	0.24	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Cobalt	4.4		0.60	0.060	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Copper	8.2		2.4	0.50	mg/Kg	☼	08/06/21 12:44	08/10/21 19:46	2
Iron	11500		12.0	4.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Lead	12.7		1.2	0.29	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Magnesium	28700		24.0	1.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Manganese	299		0.24	0.038	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Nickel	11.0		6.0	0.28	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Potassium	4240		36.0	24.0	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Selenium	0.51	J	4.8	0.48	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Sodium	166	J	168	15.6	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Vanadium	14.2	B	0.60	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1
Zinc	13.4		2.4	0.77	mg/Kg	☼	08/06/21 12:44	08/10/21 00:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0079	J	0.024	0.0055	mg/Kg	☼	08/09/21 15:01	08/09/21 16:56	1

Client Sample ID: B-21-116(8-9)(08032021)

Lab Sample ID: 480-187922-19

Date Collected: 08/03/21 08:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.66	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2-Dibromoethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2-Dichloroethane	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
1,4-Dichlorobenzene	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(8-9)(08032021)

Lab Sample ID: 480-187922-19

Date Collected: 08/03/21 08:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16	J	20	3.4	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Carbon tetrachloride	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Chloroethane	4.1	U TH	4.1	0.92	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Chloromethane	4.1	U TH	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Cyclohexane	4.1	U	4.1	0.57	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Isopropylbenzene	4.1	U	4.1	0.61	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Methyl acetate	20	U	20	2.5	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Methylcyclohexane	4.1	U	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Toluene	0.33	J	4.1	0.31	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Vinyl chloride	4.1	U TH	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1
Xylenes, Total	8.1	U	8.1	0.68	ug/Kg	☼	08/04/21 10:50	08/05/21 22:48	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/05/21 22:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	08/04/21 10:50	08/05/21 22:48	1
4-Bromofluorobenzene (Surr)	89		72 - 126	08/04/21 10:50	08/05/21 22:48	1
Dibromofluoromethane (Surr)	101		60 - 140	08/04/21 10:50	08/05/21 22:48	1
Toluene-d8 (Surr)	95		71 - 125	08/04/21 10:50	08/05/21 22:48	1

Client Sample ID: B-21-113(0-1)(08032021)

Lab Sample ID: 480-187922-20

Date Collected: 08/03/21 09:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.2	U	2.2	0.018	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.2	U	2.2	0.035	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(0-1)(08032021)

Lab Sample ID: 480-187922-20

Date Collected: 08/03/21 09:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.6

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.2	U	2.2	0.051	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.2	U	2.2	0.041	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorobutanesulfonic acid (PFBS)	0.22	U	0.22	0.010	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorobutanoic acid (PFBA)	0.23	J	0.56	0.18	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorodecanesulfonic acid (PFDS)	0.22	U	0.22	0.013	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorodecanoic acid (PFDA)	0.22	U	0.22	0.013	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorododecanoic acid (PFDoA)	0.22	U	0.22	0.023	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	U	0.22	0.017	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluoroheptanoic acid (PFHpA)	0.22	U	0.22	0.022	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorohexanesulfonic acid (PFHxS)	0.22	U	0.22	0.016	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorohexanoic acid (PFHxA)	0.22	U	0.22	0.024	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorononanoic acid (PFNA)	0.22	U	0.22	0.020	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorooctanesulfonamide (PFOSA)	0.22	U	0.22	0.019	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorooctanesulfonic acid (PFOS)	0.041	J I	0.22	0.018	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorooctanoic acid (PFOA)	0.22	U	0.22	0.028	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluoropentanoic acid (PFPeA)	0.22	U	0.22	0.043	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorotetradecanoic acid (PFTeA)	0.22	U	0.22	0.026	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluorotridecanoic acid (PFTrIA)	0.22	U	0.22	0.017	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Perfluoroundecanoic acid (PFUnA)	0.22	U	0.22	0.022	ug/Kg	☼	08/05/21 11:16	08/06/21 19:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C2 PFDA	79		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C2 PFDoA	72		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C2 PFHxA	80		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C2 PFTeDA	73		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C2 PFUnA	76		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C3 PFBS	77		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C4 PFBA	73		25 - 150				08/05/21 11:16	08/06/21 19:13	1
13C4 PFHpA	80		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C4 PFOA	81		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C4 PFOS	70		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C5 PFNA	76		50 - 150				08/05/21 11:16	08/06/21 19:13	1
13C5 PFPeA	79		25 - 150				08/05/21 11:16	08/06/21 19:13	1
13C8 FOSA	72		25 - 150				08/05/21 11:16	08/06/21 19:13	1
18O2 PFHxS	76		50 - 150				08/05/21 11:16	08/06/21 19:13	1
d3-NMeFOSAA	73		50 - 150				08/05/21 11:16	08/06/21 19:13	1
d5-NEtFOSAA	69		50 - 150				08/05/21 11:16	08/06/21 19:13	1
M2-6:2 FTS	67		25 - 150				08/05/21 11:16	08/06/21 19:13	1
M2-8:2 FTS	67		25 - 150				08/05/21 11:16	08/06/21 19:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	41400	^	1000	671	mg/Kg			08/09/21 17:14	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(1-2)(08032021)

Lab Sample ID: 480-187922-21

Date Collected: 08/03/21 09:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.2	U	4.2	0.30	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.68	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.2	U	4.2	0.95	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,1,2-Trichloroethane	4.2	U	4.2	0.54	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,1-Dichloroethane	4.2	U	4.2	0.51	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,1-Dichloroethene	4.2	U	4.2	0.51	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2,4-Trichlorobenzene	4.2	U	4.2	0.25	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2-Dibromo-3-Chloropropane	4.2	U	4.2	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2-Dibromoethane	4.2	U	4.2	0.53	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2-Dichlorobenzene	4.2	U	4.2	0.33	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2-Dichloroethane	4.2	U	4.2	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,2-Dichloropropane	4.2	U	4.2	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,3-Dichlorobenzene	4.2	U	4.2	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
1,4-Dichlorobenzene	4.2	U	4.2	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Acetone	4.3	J	21	3.5	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Benzene	4.2	U	4.2	0.20	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Bromodichloromethane	4.2	U	4.2	0.56	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Bromoform	4.2	U	4.2	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Bromomethane	4.2	U	4.2	0.37	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Carbon disulfide	4.2	U	4.2	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Carbon tetrachloride	4.2	U	4.2	0.40	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Chlorobenzene	4.2	U	4.2	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Chloroethane	4.2	U TH	4.2	0.94	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Chloroform	4.2	U	4.2	0.26	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Chloromethane	4.2	U TH	4.2	0.25	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
cis-1,2-Dichloroethene	4.2	U	4.2	0.53	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
cis-1,3-Dichloropropene	4.2	U	4.2	0.60	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Cyclohexane	4.2	U	4.2	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Dibromochloromethane	4.2	U	4.2	0.53	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Dichlorodifluoromethane	4.2	U	4.2	0.34	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Ethylbenzene	4.2	U	4.2	0.29	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Isopropylbenzene	4.2	U	4.2	0.63	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Methyl tert-butyl ether	4.2	U	4.2	0.41	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Methylcyclohexane	4.2	U	4.2	0.63	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Methylene Chloride	4.2	U	4.2	1.9	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Styrene	4.2	U	4.2	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Tetrachloroethene	4.2	U	4.2	0.56	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Toluene	4.2	U	4.2	0.31	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
trans-1,2-Dichloroethene	4.2	U	4.2	0.43	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
trans-1,3-Dichloropropene	4.2	U	4.2	1.8	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Trichloroethene	4.2	U	4.2	0.92	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Trichlorofluoromethane	4.2	U	4.2	0.39	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Vinyl chloride	4.2	U TH	4.2	0.51	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1
Xylenes, Total	8.3	U	8.3	0.70	ug/Kg	☼	08/04/21 10:50	08/05/21 23:13	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(1-2)(08032021)

Lab Sample ID: 480-187922-21

Date Collected: 08/03/21 09:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.9

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			<i>08/04/21 10:50</i>	<i>08/05/21 23:13</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	113		<i>64 - 126</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:13</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	87		<i>72 - 126</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:13</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	104		<i>60 - 140</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:13</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	97		<i>71 - 125</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:13</i>	<i>1</i>

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,3,4,6-Tetrachlorophenol	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4-Dinitrophenol	1900	U	1900	880	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,4-Dinitrotoluene	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2,6-Dinitrotoluene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Chloronaphthalene	190	U	190	31	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Methylphenol	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
2-Nitrophenol	190	U	190	54	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
3,3'-Dichlorobenzidine	370	U	370	220	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
3-Nitroaniline	370	U	370	53	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Chloro-3-methylphenol	190	U	190	47	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Chloroaniline	190	U	190	47	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Methylphenol	370	U	370	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Nitroaniline	370	U	370	100	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
4-Nitrophenol	370	U	370	130	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Acenaphthene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Anthracene	190	U	190	47	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Atrazine	190	U	190	66	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzo[b]fluoranthene	190	U	190	30	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Bis(2-chloroethoxy)methane	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Bis(2-ethylhexyl) phthalate	190	U	190	65	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Butyl benzyl phthalate	190	U	190	31	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Caprolactam	190	U	190	57	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Carbazole	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Chrysene	190	U	190	43	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Dibenzofuran	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Diethyl phthalate	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Dimethyl phthalate	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Di-n-octyl phthalate	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Fluoranthene	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Fluorene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Hexachlorobenzene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Isophorone	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
N-Nitrosodiphenylamine	190	U	190	150	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Phenol	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1
Pyrene	190	U	190	22	ug/Kg	☼	08/05/21 08:10	08/09/21 19:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	190	T J	ug/Kg	☼	3.03		08/05/21 08:10	08/09/21 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	88		54 - 120	08/05/21 08:10	08/09/21 19:56	1
2-Fluorobiphenyl (Surr)	84		60 - 120	08/05/21 08:10	08/09/21 19:56	1
2-Fluorophenol (Surr)	73		52 - 120	08/05/21 08:10	08/09/21 19:56	1
Nitrobenzene-d5 (Surr)	76		53 - 120	08/05/21 08:10	08/09/21 19:56	1
Phenol-d5 (Surr)	79		54 - 120	08/05/21 08:10	08/09/21 19:56	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/05/21 08:10	08/09/21 19:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.48	J	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
delta-BHC	0.64	J	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endosulfan sulfate	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endrin aldehyde	0.59	J	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Endrin ketone	0.88	J	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
gamma-BHC (Lindane)	0.73	J B	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Heptachlor	0.77	J	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1
trans-Chlordane	1.4	J	1.9	0.60	ug/Kg	☼	08/06/21 08:09	08/09/21 13:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		45 - 120	08/06/21 08:09	08/09/21 13:55	1
DCB Decachlorobiphenyl	113		45 - 120	08/06/21 08:09	08/09/21 13:55	1
Tetrachloro-m-xylene	110		30 - 124	08/06/21 08:09	08/09/21 13:55	1
Tetrachloro-m-xylene	111		30 - 124	08/06/21 08:09	08/09/21 13:55	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.050	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1221	0.25	U	0.25	0.050	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1232	0.25	U	0.25	0.050	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1242	0.25	U	0.25	0.050	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1248	0.25	U	0.25	0.050	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	08/06/21 08:18	08/09/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	111		60 - 154	08/06/21 08:18	08/09/21 03:37	1
Tetrachloro-m-xylene	122		60 - 154	08/06/21 08:18	08/09/21 03:37	1
DCB Decachlorobiphenyl	96		65 - 174	08/06/21 08:18	08/09/21 03:37	1
DCB Decachlorobiphenyl	107		65 - 174	08/06/21 08:18	08/09/21 03:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	12	ug/Kg	☼	08/10/21 07:29	08/12/21 20:30	1
Silvex (2,4,5-TP)	18	U	18	6.6	ug/Kg	☼	08/10/21 07:29	08/12/21 20:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 129	08/10/21 07:29	08/12/21 20:30	1
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 20:30	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11500		11.4	5.0	mg/Kg	☼	08/06/21 12:44	08/10/21 00:47	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	17.0	U	17.0	0.45	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Arsenic	4.3		2.3	0.45	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Barium	21.7	B	0.57	0.13	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Beryllium	0.50		0.23	0.032	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Cadmium	0.23	U	0.23	0.034	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Calcium	136000	B	114	7.5	mg/Kg	✱	08/06/21 12:44	08/10/21 19:50	2
Chromium	12.3		0.57	0.23	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Cobalt	4.2		0.57	0.057	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Copper	5.8		2.3	0.48	mg/Kg	✱	08/06/21 12:44	08/10/21 19:50	2
Iron	10700		11.4	4.0	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Lead	11.7		1.1	0.27	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Magnesium	19700		22.7	1.1	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Manganese	215		0.23	0.036	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Nickel	10.6		5.7	0.26	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Potassium	4970		34.1	22.7	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Selenium	4.5	U	4.5	0.45	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Silver	0.68	U	0.68	0.23	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Sodium	140	J	159	14.8	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Thallium	6.8	U	6.8	0.34	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Vanadium	14.7	B	0.57	0.13	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1
Zinc	8.1		2.3	0.73	mg/Kg	✱	08/06/21 12:44	08/10/21 00:47	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.040		0.022	0.0051	mg/Kg	✱	08/09/21 15:01	08/09/21 17:04	1

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	35	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
1,4-Dioxane	120	U	120	67	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,3,4,6-Tetrachlorophenol	210	U	210	43	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4,5-Trichlorophenol	210	U	210	56	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4,6-Trichlorophenol	210	U	210	41	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4-Dimethylphenol	210	U	210	50	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4-Dinitrophenol	2000	U	2000	950	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,4-Dinitrotoluene	210	U	210	43	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2,6-Dinitrotoluene	210	U	210	24	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Chloronaphthalene	210	U	210	34	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Chlorophenol	400	U	400	38	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Methylnaphthalene	210	U	210	41	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Methylphenol	210	U	210	24	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Nitroaniline	400	U	400	30	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
2-Nitrophenol	210	U	210	58	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
3,3'-Dichlorobenzidine	400	U	400	240	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1
3-Nitroaniline	400	U	400	57	ug/Kg	✱	08/05/21 08:10	08/09/21 20:20	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,6-Dinitro-2-methylphenol	400	U	400	210	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Bromophenyl phenyl ether	210	U	210	29	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Chloro-3-methylphenol	210	U	210	51	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Chloroaniline	210	U	210	51	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Chlorophenyl phenyl ether	210	U	210	26	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Methylphenol	400	U	400	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Nitroaniline	400	U	400	110	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
4-Nitrophenol	400	U	400	140	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Acenaphthene	210	U	210	30	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Acetophenone	210	U	210	28	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Anthracene	210	U	210	51	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Atrazine	210	U	210	72	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzaldehyde	210	U	210	160	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzo[a]pyrene	210	U	210	30	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzo[b]fluoranthene	210	U	210	33	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Biphenyl	210	U	210	30	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
bis (2-chloroisopropyl) ether	210	U	210	41	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Bis(2-chloroethoxy)methane	210	U	210	44	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Bis(2-ethylhexyl) phthalate	210	U	210	70	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Butyl benzyl phthalate	210	U	210	34	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Caprolactam	210	U	210	62	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Carbazole	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Chrysene	210	U	210	46	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Dibenz(a,h)anthracene	210	U	210	36	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Dibenzofuran	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Dimethyl phthalate	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Di-n-butyl phthalate	210	U	210	35	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Di-n-octyl phthalate	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Fluoranthene	210	U	210	22	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Fluorene	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Hexachlorobenzene	210	U	210	28	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Hexachlorobutadiene	210	U	210	30	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Hexachlorocyclopentadiene	210	U	210	28	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Indeno[1,2,3-cd]pyrene	210	U	210	26	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Isophorone	210	U	210	44	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Naphthalene	210	U	210	27	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Nitrobenzene	210	U	210	23	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
N-Nitrosodi-n-propylamine	210	U	210	35	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Pentachlorophenol	400	U	400	210	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Phenanthrene	210	U	210	30	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1
Phenol	210	U	210	32	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 80.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	210	U	210	24	ug/Kg	☼	08/05/21 08:10	08/09/21 20:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethane, 1,1,2,2-tetrachloro-	270	T J N	ug/Kg	☼	4.21	79-34-5	08/05/21 08:10	08/09/21 20:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	82		54 - 120	08/05/21 08:10	08/09/21 20:20	1
2-Fluorobiphenyl (Surr)	80		60 - 120	08/05/21 08:10	08/09/21 20:20	1
2-Fluorophenol (Surr)	70		52 - 120	08/05/21 08:10	08/09/21 20:20	1
Nitrobenzene-d5 (Surr)	71		53 - 120	08/05/21 08:10	08/09/21 20:20	1
Phenol-d5 (Surr)	76		54 - 120	08/05/21 08:10	08/09/21 20:20	1
p-Terphenyl-d14 (Surr)	89		79 - 130	08/05/21 08:10	08/09/21 20:20	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.1	U	2.1	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
4,4'-DDE	2.1	U	2.1	0.43	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
4,4'-DDT	2.1	U	2.1	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Aldrin	2.1	U	2.1	0.50	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
alpha-BHC	2.1	U	2.1	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
beta-BHC	2.1	U	2.1	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
cis-Chlordane	2.1	U	2.1	1.0	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
delta-BHC	0.67	J	2.1	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Dieldrin	2.1	U	2.1	0.49	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endosulfan I	2.1	U	2.1	0.39	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endosulfan II	2.1	U	2.1	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endosulfan sulfate	2.1	U	2.1	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endrin	2.1	U	2.1	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endrin aldehyde	2.1	U	2.1	0.52	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Endrin ketone	2.1	U	2.1	0.50	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
gamma-BHC (Lindane)	0.75	J B	2.1	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Heptachlor	2.1	U	2.1	0.44	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Heptachlor epoxide	2.1	U	2.1	0.53	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Methoxychlor	0.64	J	2.1	0.42	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
Toxaphene	21	U	21	12	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1
trans-Chlordane	1.2	J	2.1	0.65	ug/Kg	☼	08/06/21 08:09	08/09/21 14:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	100		45 - 120	08/06/21 08:09	08/09/21 14:14	1
DCB Decachlorobiphenyl	116		45 - 120	08/06/21 08:09	08/09/21 14:14	1
Tetrachloro-m-xylene	91		30 - 124	08/06/21 08:09	08/09/21 14:14	1
Tetrachloro-m-xylene	105		30 - 124	08/06/21 08:09	08/09/21 14:14	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.28	U	0.28	0.054	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
PCB-1221	0.28	U	0.28	0.054	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
PCB-1232	0.28	U	0.28	0.054	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
PCB-1242	0.28	U	0.28	0.054	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
PCB-1248	0.28	U	0.28	0.054	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
PCB-1254	0.28	U	0.28	0.13	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 80.0

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1260	0.28	U	0.28	0.13	mg/Kg	☼	08/06/21 08:18	08/09/21 03:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154				08/06/21 08:18	08/09/21 03:50	1
Tetrachloro-m-xylene	139		60 - 154				08/06/21 08:18	08/09/21 03:50	1
DCB Decachlorobiphenyl	110		65 - 174				08/06/21 08:18	08/09/21 03:50	1
DCB Decachlorobiphenyl	125		65 - 174				08/06/21 08:18	08/09/21 03:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	☼	08/10/21 07:29	08/12/21 21:29	1
Silvex (2,4,5-TP)	20	U	20	7.3	ug/Kg	☼	08/10/21 07:29	08/12/21 21:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		28 - 129				08/10/21 07:29	08/12/21 21:29	1
2,4-Dichlorophenylacetic acid	71		28 - 129				08/10/21 07:29	08/12/21 21:29	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9630		12.6	5.6	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Antimony	19.0	U	19.0	0.51	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Arsenic	5.5		2.5	0.51	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Barium	23.7	B	0.63	0.14	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Beryllium	0.48		0.25	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Cadmium	0.25	U	0.25	0.038	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Calcium	181000	B	126	8.3	mg/Kg	☼	08/06/21 12:44	08/10/21 19:54	2
Chromium	11.2		0.63	0.25	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Cobalt	4.9		0.63	0.063	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Copper	7.0		2.5	0.53	mg/Kg	☼	08/06/21 12:44	08/10/21 19:54	2
Iron	10900		12.6	4.4	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Lead	15.3		1.3	0.30	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Magnesium	28600		25.3	1.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Manganese	278		0.25	0.040	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Nickel	10.6		6.3	0.29	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Potassium	4120		37.9	25.3	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Selenium	5.1	U	5.1	0.51	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Silver	0.76	U	0.76	0.25	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Sodium	174	J	177	16.4	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Thallium	7.6	U	7.6	0.38	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Vanadium	13.0	B	0.63	0.14	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1
Zinc	7.6		2.5	0.81	mg/Kg	☼	08/06/21 12:44	08/10/21 00:51	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.023	U	0.023	0.0054	mg/Kg	☼	08/09/21 15:01	08/09/21 17:05	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(8-9)(08032021)

Lab Sample ID: 480-187922-24

Date Collected: 08/03/21 09:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,1-Dichloroethene	4.3	U	4.3	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Acetone	54		21	3.6	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Benzene	0.31	J	4.3	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Bromodichloromethane	4.3	U	4.3	0.57	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Chloroethane	4.3	U TH	4.3	0.97	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Chloroform	4.3	U	4.3	0.26	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Chloromethane	4.3	U TH	4.3	0.26	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Toluene	0.85	J	4.3	0.32	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Vinyl chloride	4.3	U TH	4.3	0.52	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	08/04/21 10:50	08/05/21 23:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(8-9)(08032021)

Lab Sample ID: 480-187922-24

Date Collected: 08/03/21 09:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>08/04/21 10:50</i>	<i>08/05/21 23:37</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>117</i>		<i>64 - 126</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:37</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>91</i>		<i>72 - 126</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:37</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>60 - 140</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:37</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>				<i>08/04/21 10:50</i>	<i>08/05/21 23:37</i>	<i>1</i>

Client Sample ID: B-21-113(10-11)(08032021)

Lab Sample ID: 480-187922-25

Date Collected: 08/03/21 09:50

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.91	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,1,2-Trichloroethane	4.0	U	4.0	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,1-Dichloroethane	4.0	U	4.0	0.49	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2,4-Trichlorobenzene	4.0	U	4.0	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2-Dibromoethane	4.0	U	4.0	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2-Dichlorobenzene	4.0	U	4.0	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,2-Dichloropropane	4.0	U	4.0	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,3-Dichlorobenzene	4.0	U	4.0	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
1,4-Dichlorobenzene	4.0	U	4.0	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Acetone	12	J	20	3.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Benzene	0.19	J	4.0	0.19	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Bromodichloromethane	4.0	U	4.0	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Bromoform	4.0	U	4.0	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Bromomethane	4.0	U	4.0	0.36	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Carbon disulfide	4.0	U	4.0	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Carbon tetrachloride	4.0	U	4.0	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Chlorobenzene	4.0	U	4.0	0.52	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Chloroethane	4.0	U TH	4.0	0.90	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Chloromethane	4.0	U TH	4.0	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Cyclohexane	4.0	U	4.0	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Dibromochloromethane	4.0	U	4.0	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Dichlorodifluoromethane	4.0	U	4.0	0.33	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Ethylbenzene	4.0	U	4.0	0.27	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Isopropylbenzene	4.0	U	4.0	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Methyl tert-butyl ether	4.0	U	4.0	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(10-11)(08032021)

Lab Sample ID: 480-187922-25

Date Collected: 08/03/21 09:50

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 90.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.0	U	4.0	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Methylene Chloride	4.0	U	4.0	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Styrene	4.0	U	4.0	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Tetrachloroethene	4.0	U	4.0	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Toluene	0.38	J	4.0	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.7	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Trichloroethene	4.0	U	4.0	0.87	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Trichlorofluoromethane	4.0	U	4.0	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Vinyl chloride	4.0	U TH	4.0	0.49	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1
Xylenes, Total	8.0	U	8.0	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 00:01	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 00:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	08/04/21 10:50	08/06/21 00:01	1
4-Bromofluorobenzene (Surr)	84		72 - 126	08/04/21 10:50	08/06/21 00:01	1
Dibromofluoromethane (Surr)	105		60 - 140	08/04/21 10:50	08/06/21 00:01	1
Toluene-d8 (Surr)	99		71 - 125	08/04/21 10:50	08/06/21 00:01	1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2-Dichlorobenzene	4.7	U	4.7	0.36	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2-Dichloroethane	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
1,4-Dichlorobenzene	4.7	U	4.7	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Acetone	86		23	3.9	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Bromodichloromethane	4.7	U	4.7	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Chloroethane	4.7	U TH	4.7	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Chloromethane	4.7	U TH	4.7	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Cyclohexane	4.7	U	4.7	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Dichlorodifluoromethane	4.7	U	4.7	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Isopropylbenzene	4.7	U	4.7	0.70	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Methylcyclohexane	4.7	U	4.7	0.71	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Methylene Chloride	4.7	U	4.7	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Toluene	4.7	U	4.7	0.35	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Vinyl chloride	4.7	U TH	4.7	0.57	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1
Xylenes, Total	9.3	U	9.3	0.78	ug/Kg	☼	08/04/21 10:50	08/06/21 00:26	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 00:26	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	117		64 - 126	08/04/21 10:50	08/06/21 00:26	1
4-Bromofluorobenzene (Surr)	89		72 - 126	08/04/21 10:50	08/06/21 00:26	1
Dibromofluoromethane (Surr)	104		60 - 140	08/04/21 10:50	08/06/21 00:26	1
Toluene-d8 (Surr)	98		71 - 125	08/04/21 10:50	08/06/21 00:26	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,3,4,6-Tetrachlorophenol	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4,6-Trichlorophenol	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,4-Dinitrotoluene	190	U	190	40	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2,6-Dinitrotoluene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
2-Methylnaphthalene	190	U	190	39	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylphenol	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
2-Nitroaniline	370	U	370	28	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
2-Nitrophenol	190	U	190	54	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
3,3'-Dichlorobenzidine	370	U	370	230	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
3-Nitroaniline	370	U	370	53	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Bromophenyl phenyl ether	190	U	190	27	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Chloro-3-methylphenol	190	U	190	48	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Chloroaniline	190	U	190	48	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Methylphenol	370	U	370	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Nitroaniline	370	U	370	100	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
4-Nitrophenol	370	U	370	130	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Acenaphthene	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Acenaphthylene	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Acetophenone	190	U	190	26	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Anthracene	190	U	190	48	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Atrazine	190	U	190	67	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzaldehyde	190	U	190	150	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzo[a]anthracene	190	U	190	19	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzo[a]pyrene	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzo[b]fluoranthene	190	U	190	31	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Benzo[k]fluoranthene	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Biphenyl	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
bis (2-chloroisopropyl) ether	190	U	190	39	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Caprolactam	190	U	190	58	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Carbazole	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Chrysene	190	U	190	43	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Dibenzofuran	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Diethyl phthalate	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Dimethyl phthalate	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Di-n-butyl phthalate	190	U	190	33	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Fluoranthene	190	U	190	20	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Fluorene	190	U	190	23	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Hexachlorobenzene	190	U	190	26	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Hexachloroethane	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Isophorone	190	U	190	41	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Naphthalene	190	U	190	25	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1
Nitrobenzene	190	U	190	22	ug/Kg	✱	08/05/21 08:10	08/09/21 20:44	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
Pentachlorophenol	370	U	370	190	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
Phenol	190	U	190	29	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1
Pyrene	190	U	190	23	ug/Kg	☼	08/05/21 08:10	08/09/21 20:44	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Ethane, 1,1,2,2-tetrachloro-	310	T J N	ug/Kg	☼	4.22	79-34-5	08/05/21 08:10	08/09/21 20:44	1
Erucylamide	260	T J N	ug/Kg	☼	13.70	112-84-5	08/05/21 08:10	08/09/21 20:44	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		54 - 120	08/05/21 08:10	08/09/21 20:44	1
2-Fluorobiphenyl (Surr)	92		60 - 120	08/05/21 08:10	08/09/21 20:44	1
2-Fluorophenol (Surr)	77		52 - 120	08/05/21 08:10	08/09/21 20:44	1
Nitrobenzene-d5 (Surr)	80		53 - 120	08/05/21 08:10	08/09/21 20:44	1
Phenol-d5 (Surr)	84		54 - 120	08/05/21 08:10	08/09/21 20:44	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/05/21 08:10	08/09/21 20:44	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Aldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
cis-Chlordane	1.9	U	1.9	0.94	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
delta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Dieldrin	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endosulfan sulfate	0.72	J	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endrin	1.9	U	1.9	0.37	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endrin aldehyde	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Endrin ketone	0.62	J	1.9	0.46	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
gamma-BHC (Lindane)	0.53	J B	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Methoxychlor	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	☼	08/06/21 08:09	08/09/21 14:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		45 - 120	08/06/21 08:09	08/09/21 14:34	1
DCB Decachlorobiphenyl	120		45 - 120	08/06/21 08:09	08/09/21 14:34	1
Tetrachloro-m-xylene	104		30 - 124	08/06/21 08:09	08/09/21 14:34	1
Tetrachloro-m-xylene	115		30 - 124	08/06/21 08:09	08/09/21 14:34	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	✳	08/06/21 08:18	08/09/21 04:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	122		60 - 154	08/06/21 08:18	08/09/21 04:02	1
Tetrachloro-m-xylene	128		60 - 154	08/06/21 08:18	08/09/21 04:02	1
DCB Decachlorobiphenyl	105		65 - 174	08/06/21 08:18	08/09/21 04:02	1
DCB Decachlorobiphenyl	118		65 - 174	08/06/21 08:18	08/09/21 04:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	08/10/21 07:29	08/12/21 21:59	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	✳	08/10/21 07:29	08/12/21 21:59	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		28 - 129	08/10/21 07:29	08/12/21 21:59	1
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 21:59	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11600		11.3	5.0	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Antimony	16.9	U	16.9	0.45	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Arsenic	5.9		2.3	0.45	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Barium	31.4	B	0.56	0.12	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Beryllium	0.61		0.23	0.032	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Cadmium	0.052	J	0.23	0.034	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Calcium	95300	B	56.3	3.7	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Chromium	13.6		0.56	0.23	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Cobalt	5.3		0.56	0.056	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Copper	7.4		1.1	0.24	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Iron	14500		11.3	3.9	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Lead	16.2		1.1	0.27	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Magnesium	29100		22.5	1.0	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Manganese	300		0.23	0.036	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Nickel	13.5		5.6	0.26	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Potassium	4060		33.8	22.5	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Selenium	0.56	J	4.5	0.45	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Silver	0.68	U	0.68	0.23	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Sodium	155	J	158	14.6	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Thallium	6.8	U	6.8	0.34	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Vanadium	17.2	B	0.56	0.12	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1
Zinc	14.7		2.3	0.72	mg/Kg	✳	08/06/21 12:44	08/10/21 00:55	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0098	J	0.026	0.0060	mg/Kg	✳	08/09/21 15:01	08/09/21 17:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(2-3)(08032021)

Lab Sample ID: 480-187922-27

Date Collected: 08/03/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	U	6.2	0.45	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,1,2,2-Tetrachloroethane	6.2	U	6.2	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,1,2-Trichloroethane	6.2	U	6.2	0.81	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,1-Dichloroethane	6.2	U	6.2	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,1-Dichloroethene	6.2	U	6.2	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2,4-Trichlorobenzene	6.2	U	6.2	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2-Dibromo-3-Chloropropane	6.2	U	6.2	3.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2-Dibromoethane	6.2	U	6.2	0.80	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2-Dichlorobenzene	6.2	U	6.2	0.49	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2-Dichloroethane	6.2	U	6.2	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,2-Dichloropropane	6.2	U	6.2	3.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,3-Dichlorobenzene	6.2	U	6.2	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
1,4-Dichlorobenzene	6.2	U	6.2	0.87	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
2-Butanone (MEK)	4.7	J	31	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
2-Hexanone	31	U	31	3.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
4-Methyl-2-pentanone (MIBK)	31	U	31	2.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Acetone	44		31	5.2	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Benzene	6.2	U	6.2	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Bromodichloromethane	6.2	U	6.2	0.83	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Bromoform	6.2	U	6.2	3.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Bromomethane	6.2	U	6.2	0.56	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Carbon disulfide	6.2	U	6.2	3.1	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Carbon tetrachloride	6.2	U	6.2	0.60	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Chlorobenzene	6.2	U	6.2	0.82	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Chloroethane	6.2	U TH	6.2	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Chloroform	6.2	U	6.2	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Chloromethane	6.2	U TH	6.2	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
cis-1,2-Dichloroethene	6.2	U	6.2	0.80	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
cis-1,3-Dichloropropene	6.2	U	6.2	0.90	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Cyclohexane	6.2	U	6.2	0.87	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Dibromochloromethane	6.2	U	6.2	0.80	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Dichlorodifluoromethane	6.2	U	6.2	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Ethylbenzene	6.2	U	6.2	0.43	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Isopropylbenzene	6.2	U	6.2	0.94	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Methyl acetate	31	U	31	3.8	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Methyl tert-butyl ether	6.2	U	6.2	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Methylcyclohexane	6.2	U	6.2	0.95	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Methylene Chloride	3.7	J	6.2	2.9	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Styrene	6.2	U	6.2	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Tetrachloroethene	6.2	U	6.2	0.84	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Toluene	6.2	U	6.2	0.47	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
trans-1,2-Dichloroethene	6.2	U	6.2	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
trans-1,3-Dichloropropene	6.2	U	6.2	2.7	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Trichloroethene	6.2	U	6.2	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Trichlorofluoromethane	6.2	U	6.2	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Vinyl chloride	6.2	U TH	6.2	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1
Xylenes, Total	12	U	12	1.0	ug/Kg	☼	08/04/21 10:50	08/06/21 00:50	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(2-3)(08032021)

Lab Sample ID: 480-187922-27

Date Collected: 08/03/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			<i>08/04/21 10:50</i>	<i>08/06/21 00:50</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	119		<i>64 - 126</i>				<i>08/04/21 10:50</i>	<i>08/06/21 00:50</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	88		<i>72 - 126</i>				<i>08/04/21 10:50</i>	<i>08/06/21 00:50</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	107		<i>60 - 140</i>				<i>08/04/21 10:50</i>	<i>08/06/21 00:50</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	99		<i>71 - 125</i>				<i>08/04/21 10:50</i>	<i>08/06/21 00:50</i>	<i>1</i>

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
3-Nitroaniline	380	U	380	54	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Acenaphthylene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Atrazine	200	U	200	68	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Diethyl phthalate	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Hexachloroethane	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Naphthalene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 08:10	08/09/21 21:08	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
9-Octadecenamide, (Z)-	460	T J N	ug/Kg	☼	12.58	301-02-0	08/05/21 08:10	08/09/21 21:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	86		54 - 120	08/05/21 08:10	08/09/21 21:08	1
2-Fluorobiphenyl (Surr)	83		60 - 120	08/05/21 08:10	08/09/21 21:08	1
2-Fluorophenol (Surr)	73		52 - 120	08/05/21 08:10	08/09/21 21:08	1
Nitrobenzene-d5 (Surr)	76		53 - 120	08/05/21 08:10	08/09/21 21:08	1
Phenol-d5 (Surr)	81		54 - 120	08/05/21 08:10	08/09/21 21:08	1
p-Terphenyl-d14 (Surr)	90		79 - 130	08/05/21 08:10	08/09/21 21:08	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 14:53	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 14:53	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 14:53	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/06/21 08:09	08/09/21 14:53	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 14:53	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	0.82	J	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endosulfan sulfate	0.61	J	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Endrin ketone	0.55	J	1.9	0.47	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
gamma-BHC (Lindane)	0.67	J B	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
Toxaphene	19	U	19	11	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1
trans-Chlordane	1.1	J	1.9	0.61	ug/Kg	✳	08/06/21 08:09	08/09/21 14:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	90		45 - 120	08/06/21 08:09	08/09/21 14:53	1
DCB Decachlorobiphenyl	117		45 - 120	08/06/21 08:09	08/09/21 14:53	1
Tetrachloro-m-xylene	91		30 - 124	08/06/21 08:09	08/09/21 14:53	1
Tetrachloro-m-xylene	98		30 - 124	08/06/21 08:09	08/09/21 14:53	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.045	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	✳	08/06/21 08:18	08/09/21 04:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	130		60 - 154	08/06/21 08:18	08/09/21 04:15	1
Tetrachloro-m-xylene	141		60 - 154	08/06/21 08:18	08/09/21 04:15	1
DCB Decachlorobiphenyl	107		65 - 174	08/06/21 08:18	08/09/21 04:15	1
DCB Decachlorobiphenyl	124		65 - 174	08/06/21 08:18	08/09/21 04:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	08/10/21 07:29	08/12/21 22:28	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	✳	08/10/21 07:29	08/12/21 22:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129	08/10/21 07:29	08/12/21 22:28	1
2,4-Dichlorophenylacetic acid	75		28 - 129	08/10/21 07:29	08/12/21 22:28	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7680		11.7	5.1	mg/Kg	✳	08/06/21 12:44	08/10/21 00:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	17.5	U	17.5	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Arsenic	4.4		2.3	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Barium	19.1	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Beryllium	0.41		0.23	0.033	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Cadmium	0.23	U	0.23	0.035	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Calcium	171000	B	117	7.7	mg/Kg	☼	08/06/21 12:44	08/10/21 20:09	2
Chromium	9.1		0.58	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Cobalt	3.7		0.58	0.058	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Copper	5.8		2.3	0.49	mg/Kg	☼	08/06/21 12:44	08/10/21 20:09	2
Iron	9370		11.7	4.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Lead	13.0		1.2	0.28	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Magnesium	26300		23.3	1.1	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Manganese	248		0.23	0.037	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Nickel	8.7		5.8	0.27	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Potassium	3290		35.0	23.3	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Selenium	4.7	U	4.7	0.47	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Silver	0.70	U	0.70	0.23	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Sodium	143	J	163	15.2	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Vanadium	10.6	B	0.58	0.13	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1
Zinc	6.9		2.3	0.75	mg/Kg	☼	08/06/21 12:44	08/10/21 00:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0057	J	0.023	0.0052	mg/Kg	☼	08/09/21 15:01	08/09/21 17:07	1

Client Sample ID: B-21-120(6-7)(08032021)

Lab Sample ID: 480-187922-29

Date Collected: 08/03/21 11:35

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,1-Dichloroethene	4.1	U	4.1	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Acetone	52		21	3.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(6-7)(08032021)

Lab Sample ID: 480-187922-29

Date Collected: 08/03/21 11:35

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	4.1	U	4.1	0.20	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Chloroethane	4.1	U TH	4.1	0.93	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Chloroform	4.1	U	4.1	0.26	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Chloromethane	4.1	U TH	4.1	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Methylene Chloride	2.1	J	4.1	1.9	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Toluene	0.34	J	4.1	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Vinyl chloride	4.1	U TH	4.1	0.50	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1
Xylenes, Total	8.3	U	8.3	0.69	ug/Kg	☼	08/04/21 10:50	08/06/21 01:14	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 01:14	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	08/04/21 10:50	08/06/21 01:14	1
4-Bromofluorobenzene (Surr)	90		72 - 126	08/04/21 10:50	08/06/21 01:14	1
Dibromofluoromethane (Surr)	106		60 - 140	08/04/21 10:50	08/06/21 01:14	1
Toluene-d8 (Surr)	99		71 - 125	08/04/21 10:50	08/06/21 01:14	1

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
2-Hexanone	25	U	25	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Acetone	43		25	4.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Benzene	5.0	U	5.0	0.24	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Bromoform	5.0	U	5.0	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Chloroethane	5.0	U TH	5.0	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Chloroform	5.0	U	5.0	0.31	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Chloromethane	5.0	U TH	5.0	0.30	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Ethylbenzene	5.0	U	5.0	0.34	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Methyl acetate	25	U	25	3.0	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Methylene Chloride	2.5	J	5.0	2.3	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Styrene	5.0	U	5.0	0.25	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Toluene	5.0	U	5.0	0.38	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.51	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Vinyl chloride	5.0	U TH	5.0	0.61	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1
Xylenes, Total	10	U	10	0.84	ug/Kg	☼	08/04/21 10:50	08/06/21 01:39	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/04/21 10:50	08/06/21 01:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	123		64 - 126	08/04/21 10:50	08/06/21 01:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	86		72 - 126	08/04/21 10:50	08/06/21 01:39	1
Dibromofluoromethane (Surr)	108		60 - 140	08/04/21 10:50	08/06/21 01:39	1
Toluene-d8 (Surr)	99		71 - 125	08/04/21 10:50	08/06/21 01:39	1

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.4	U	2.4	0.019	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.4	U	2.4	0.038	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.4	U	2.4	0.056	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.4	U	2.4	0.045	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorobutanesulfonic acid (PFBS)	0.24	U	0.24	0.011	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorobutanoic acid (PFBA)	0.44	J	0.61	0.20	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorodecanesulfonic acid (PFDS)	0.24	U	0.24	0.015	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorodecanoic acid (PFDA)	0.24	U	0.24	0.015	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorododecanoic acid (PFDoA)	0.24	U	0.24	0.026	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.24	U	0.24	0.018	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluoroheptanoic acid (PFHpA)	0.24	U	0.24	0.024	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	0.24	0.017	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorohexanoic acid (PFHxA)	0.24	U	0.24	0.027	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorononanoic acid (PFNA)	0.027	J	0.24	0.022	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorooctanesulfonamide (PFOSA)	0.24	U	0.24	0.021	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorooctanesulfonic acid (PFOS)	0.029	J I	0.24	0.019	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorooctanoic acid (PFOA)	0.032	J	0.24	0.030	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluoropentanoic acid (PFPeA)	0.24	U	0.24	0.047	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorotetradecanoic acid (PFTeA)	0.24	U	0.24	0.028	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluorotridecanoic acid (PFTriA)	0.24	U	0.24	0.018	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1
Perfluoroundecanoic acid (PFUnA)	0.24	U	0.24	0.024	ug/Kg	☆	08/05/21 11:16	08/06/21 19:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	74		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C2 PFDoA	72		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C2 PFHxA	77		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C2 PFTeDA	74		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C2 PFUnA	74		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C3 PFBS	72		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C4 PFBA	71		25 - 150	08/05/21 11:16	08/06/21 19:22	1
13C4 PFHpA	77		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C4 PFOA	81		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C4 PFOS	72		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C5 PFNA	75		50 - 150	08/05/21 11:16	08/06/21 19:22	1
13C5 PFPeA	77		25 - 150	08/05/21 11:16	08/06/21 19:22	1
13C8 FOSA	68		25 - 150	08/05/21 11:16	08/06/21 19:22	1
18O2 PFHxS	70		50 - 150	08/05/21 11:16	08/06/21 19:22	1
d3-NMeFOSAA	71		50 - 150	08/05/21 11:16	08/06/21 19:22	1
d5-NEtFOSAA	70		50 - 150	08/05/21 11:16	08/06/21 19:22	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-6:2 FTS	72		25 - 150	08/05/21 11:16	08/06/21 19:22	1
M2-8:2 FTS	66		25 - 150	08/05/21 11:16	08/06/21 19:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	31100	^	1000	671	mg/Kg			08/09/21 17:18	1

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Nitroaniline	390	U	390	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Methylphenol	390	U	390	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Nitroaniline	390	U	390	110	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Acenaphthene	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Anthracene	200	U	200	50	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Atrazine	200	U	200	70	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Caprolactam	200	U	200	60	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Carbazole	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Chrysene	200	U	200	45	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Fluorene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Phenanthrene	200	U	200	30	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Phenol	200	U	200	31	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1
Pyrene	200	U	200	24	ug/Kg	☼	08/05/21 08:10	08/09/21 21:32	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
9-Octadecenamide, (Z)-	420	T J N	ug/Kg	☼	12.57	301-02-0	08/05/21 08:10	08/09/21 21:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	90		54 - 120	08/05/21 08:10	08/09/21 21:32	1
2-Fluorobiphenyl (Surr)	87		60 - 120	08/05/21 08:10	08/09/21 21:32	1
2-Fluorophenol (Surr)	72		52 - 120	08/05/21 08:10	08/09/21 21:32	1
Nitrobenzene-d5 (Surr)	77		53 - 120	08/05/21 08:10	08/09/21 21:32	1
Phenol-d5 (Surr)	82		54 - 120	08/05/21 08:10	08/09/21 21:32	1
p-Terphenyl-d14 (Surr)	96		79 - 130	08/05/21 08:10	08/09/21 21:32	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/06/21 08:09	08/09/21 15:13	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/06/21 08:09	08/09/21 15:13	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/06/21 08:09	08/09/21 15:13	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/06/21 08:09	08/09/21 15:13	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/06/21 08:09	08/09/21 15:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
beta-BHC	1.9	U	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
cis-Chlordane	1.9	U	1.9	0.97	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
delta-BHC	0.68	J	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Dieldrin	1.9	U	1.9	0.47	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endrin aldehyde	1.9	U	1.9	0.50	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Endrin ketone	1.9	U	1.9	0.48	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
gamma-BHC (Lindane)	0.55	J B	1.9	0.36	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Methoxychlor	1.9	U	1.9	0.40	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
Toxaphene	19	U	19	11	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	✳	08/06/21 08:09	08/09/21 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	85		45 - 120	08/06/21 08:09	08/09/21 15:13	1
DCB Decachlorobiphenyl	111		45 - 120	08/06/21 08:09	08/09/21 15:13	1
Tetrachloro-m-xylene	90		30 - 124	08/06/21 08:09	08/09/21 15:13	1
Tetrachloro-m-xylene	101		30 - 124	08/06/21 08:09	08/09/21 15:13	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.048	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1221	0.24	U	0.24	0.048	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1232	0.24	U	0.24	0.048	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1242	0.24	U	0.24	0.048	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1248	0.24	U	0.24	0.048	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	✳	08/06/21 08:18	08/09/21 04:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	129		60 - 154	08/06/21 08:18	08/09/21 04:28	1
Tetrachloro-m-xylene	141		60 - 154	08/06/21 08:18	08/09/21 04:28	1
DCB Decachlorobiphenyl	110		65 - 174	08/06/21 08:18	08/09/21 04:28	1
DCB Decachlorobiphenyl	125		65 - 174	08/06/21 08:18	08/09/21 04:28	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	✳	08/10/21 07:29	08/12/21 22:58	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	✳	08/10/21 07:29	08/12/21 22:58	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	66		28 - 129	08/10/21 07:29	08/12/21 22:58	1
2,4-Dichlorophenylacetic acid	68		28 - 129	08/10/21 07:29	08/12/21 22:58	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7040		12.6	5.5	mg/Kg	✳	08/06/21 12:44	08/10/21 01:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	18.8	U	18.8	0.50	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Arsenic	4.9		2.5	0.50	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Barium	27.0	B	0.63	0.14	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Beryllium	0.45		0.25	0.035	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Cadmium	0.25	U	0.25	0.038	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Calcium	157000	B	126	8.3	mg/Kg	✧	08/06/21 12:44	08/10/21 20:13	2
Chromium	8.9		0.63	0.25	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Cobalt	5.3		0.63	0.063	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Copper	8.1		2.5	0.53	mg/Kg	✧	08/06/21 12:44	08/10/21 20:13	2
Iron	11700		12.6	4.4	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Lead	15.2		1.3	0.30	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Magnesium	17100		25.1	1.2	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Manganese	280		0.25	0.040	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Nickel	10.6		6.3	0.29	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Potassium	3730		37.7	25.1	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Selenium	5.0	U	5.0	0.50	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Silver	0.75	U	0.75	0.25	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Sodium	157	J	176	16.3	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Thallium	7.5	U	7.5	0.38	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Vanadium	10	B	0.63	0.14	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1
Zinc	10.5		2.5	0.80	mg/Kg	✧	08/06/21 12:44	08/10/21 01:02	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0077	J	0.015	0.0036	mg/Kg	✧	08/09/21 15:01	08/09/21 17:09	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187922-1	B-21-128(0-1)(08022021)	104	98	103	103
480-187922-3	B-21-128(2-3)(08022021)	109	99	109	100
480-187922-4	B-21-128(6-7)(08022021)	101	100	71	100
480-187922-7	B-21-129(2-3)(08022021)	106	99	104	99
480-187922-9	B-21-129(4-5)(08022021)	103	102	105	102
480-187922-10	B-21-129(8-9)(08022021)	101	97	104	103
480-187922-13	B-21-123(2-3)(08022021)	112	104	106	98
480-187922-14	B-21-123(7-8)(08022021)	103	104	103	101
480-187922-15	B-21-123(8-9)(08022021)	102	95	102	101
480-187922-16	B-21-116(1-2)(08032021)	109	98	108	104
480-187922-17	B-21-116(3-4)(08032021)	114	91	103	98
480-187922-19	B-21-116(8-9)(08032021)	118	89	101	95
480-187922-21	B-21-113(1-2)(08032021)	113	87	104	97
480-187922-24	B-21-113(8-9)(08032021)	117	91	103	99
480-187922-25	B-21-113(10-11)(08032021)	120	84	105	99
480-187922-26	B-21-120(0-1)(08032021)	117	89	104	98
480-187922-27	B-21-120(2-3)(08032021)	119	88	107	99
480-187922-29	B-21-120(6-7)(08032021)	120	90	106	99
480-187922-30	B-21-110(0-1)(08032021)	123	86	108	99
LCS 480-591949/1-A	Lab Control Sample	106	94	98	99
LCS 480-591956/1-A	Lab Control Sample	101	101	103	101
MB 480-591949/2-A	Method Blank	107	89	100	99
MB 480-591956/2-A	Method Blank	104	106	106	102

Surrogate Legend

- DCA = 1,2-Dichloroethane-d4 (Surr)
- BFB = 4-Bromofluorobenzene (Surr)
- DBFM = Dibromofluoromethane (Surr)
- TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187922-2	B-21-128(1-2)(08022021)	91	87	71	75	81	96
480-187922-5	B-21-128(9-10)(08022021)	76	84	65	72	73	95
480-187922-8	B-21-129(6-7)(08022021)	91	82	70	72	77	95
480-187922-10	B-21-129(8-9)(08022021)	83	78	64	70	72	92
480-187922-11	B-21-123(1-2)(08022021)	94	94	80	81	86	98
480-187922-11 MS	B-21-123(1-2)(08022021)	108	94	77	79	83	105
480-187922-11 MSD	B-21-123(1-2)(08022021)	104	96	81	87	86	102
480-187922-12	B-21-123(4-5)(08022021)	93	88	75	79	83	97
480-187922-18	B-21-116(5-6)(08032021)	90	80	73	73	79	98
480-187922-22	B-21-113(4-5)(08032021)	88	84	73	76	79	98
480-187922-23	B-21-113(6-7)(08032021)	82	80	70	71	76	89
480-187922-26	B-21-120(0-1)(08032021)	93	92	77	80	84	98
480-187922-28	B-21-120(4-5)(08032021)	86	83	73	76	81	90
480-187922-31	B-21-116(7-8)(08032021)	90	87	72	77	82	96

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
LCS 480-591800/2-A	Lab Control Sample	111	102	84	96	90	105
MB 480-591800/1-A	Method Blank	84	80	68	72	73	98

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187922-2	B-21-128(1-2)(08022021)	82	91	81	62
480-187922-5	B-21-128(9-10)(08022021)	74	95	68	70
480-187922-8	B-21-129(6-7)(08022021)	84	89	90	73
480-187922-10	B-21-129(8-9)(08022021)	96	100	110	85
480-187922-11	B-21-123(1-2)(08022021)	96	98	103	79
480-187922-12	B-21-123(4-5)(08022021)	78	97	87	86
480-187922-18	B-21-116(5-6)(08032021)	97	99	88	70
480-187922-18 MS	B-21-116(5-6)(08032021)	96	102	97	83
480-187922-18 MSD	B-21-116(5-6)(08032021)	106	110	115	84
480-187922-22	B-21-113(4-5)(08032021)	89	113	110	111
480-187922-23	B-21-113(6-7)(08032021)	100	116	91	105
480-187922-26	B-21-120(0-1)(08032021)	84	120	104	115
480-187922-28	B-21-120(4-5)(08032021)	90	117	91	98
480-187922-31	B-21-116(7-8)(08032021)	85	111	90	101
LCS 480-591986/2-A	Lab Control Sample	86	88	80	62
MB 480-591986/1-A	Method Blank	82	92	74	59

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187922-2	B-21-128(1-2)(08022021)	114	117	91	102
480-187922-5	B-21-128(9-10)(08022021)	110	116	85	93
480-187922-8	B-21-129(6-7)(08022021)	109	113	92	99
480-187922-8 MS	B-21-129(6-7)(08022021)	146	152	112	124
480-187922-8 MSD	B-21-129(6-7)(08022021)	140	149	114	124
480-187922-10	B-21-129(8-9)(08022021)	120	127	98	109
480-187922-11	B-21-123(1-2)(08022021)	110	118	90	99
480-187922-12	B-21-123(4-5)(08022021)	121	127	98	109

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187922-18	B-21-116(5-6)(08032021)	113	125	94	108
480-187922-22	B-21-113(4-5)(08032021)	111	122	96	107
480-187922-23	B-21-113(6-7)(08032021)	129	139	110	125
480-187922-26	B-21-120(0-1)(08032021)	122	128	105	118
480-187922-28	B-21-120(4-5)(08032021)	130	141	107	124
480-187922-31	B-21-116(7-8)(08032021)	129	141	110	125
LCS 480-591991/2-A	Lab Control Sample	136	142	113	116
MB 480-591991/1-A	Method Blank	117	125	98	103

Surrogate Legend

TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187922-2	B-21-128(1-2)(08022021)	79	74
480-187922-5	B-21-128(9-10)(08022021)	70	73
480-187922-8	B-21-129(6-7)(08022021)	73	79
480-187922-10	B-21-129(8-9)(08022021)	70	72
480-187922-11	B-21-123(1-2)(08022021)	70	75
480-187922-12	B-21-123(4-5)(08022021)	68	62
480-187922-18	B-21-116(5-6)(08032021)	68	68
480-187922-18 MS	B-21-116(5-6)(08032021)	65	59
480-187922-18 MSD	B-21-116(5-6)(08032021)	66	66
480-187922-22	B-21-113(4-5)(08032021)	69	68
480-187922-23	B-21-113(6-7)(08032021)	66	71
480-187922-26	B-21-120(0-1)(08032021)	64	68
480-187922-28	B-21-120(4-5)(08032021)	78	75
480-187922-31	B-21-116(7-8)(08032021)	66	68
LCS 480-592261/2-A	Lab Control Sample	77	89
MB 480-592261/1-A	Method Blank	73	71

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

Isotope Dilution Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDA (50-150)	PFDoA (50-150)	PFHxA (50-150)	PFTDA (50-150)	PFUnA (50-150)	C3PFBS (50-150)	PFBA (25-150)	C4PFHA (50-150)
480-187922-6	B-21-129(0-1)(08022021)	75	76	82	73	75	74	75	81
480-187922-20	B-21-113(0-1)(08032021)	79	72	80	73	76	77	73	80
480-187922-30	B-21-110(0-1)(08032021)	74	72	77	74	74	72	71	77
480-187922-30 MS	B-21-110(0-1)(08032021)	78	72	75	76	71	69	73	77
480-187922-30 MSD	B-21-110(0-1)(08032021)	78	78	76	74	75	69	71	75
LCS 200-169877/2-A	Lab Control Sample	86	80	99	76	83	100	87	93
MB 200-169877/1-A	Method Blank	88	75	96	75	79	96	88	95

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFPeA (25-150)	PFOSA (25-150)	PFHxS (50-150)	d3NMFOS (50-150)	d5NEFOS (50-150)
480-187922-6	B-21-129(0-1)(08022021)	84	72	82	81	71	72	66	66
480-187922-20	B-21-113(0-1)(08032021)	81	70	76	79	72	76	73	69
480-187922-30	B-21-110(0-1)(08032021)	81	72	75	77	68	70	71	70
480-187922-30 MS	B-21-110(0-1)(08032021)	76	72	76	78	71	70	68	64
480-187922-30 MSD	B-21-110(0-1)(08032021)	79	67	76	79	69	67	68	71
LCS 200-169877/2-A	Lab Control Sample	94	91	91	95	84	95	84	88
MB 200-169877/1-A	Method Blank	96	91	95	95	84	92	91	79

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)
480-187922-6	B-21-129(0-1)(08022021)	68	59
480-187922-20	B-21-113(0-1)(08032021)	67	67
480-187922-30	B-21-110(0-1)(08032021)	72	66
480-187922-30 MS	B-21-110(0-1)(08032021)	62	67
480-187922-30 MSD	B-21-110(0-1)(08032021)	62	62
LCS 200-169877/2-A	Lab Control Sample	92	87
MB 200-169877/1-A	Method Blank	103	90

Surrogate Legend

- PFDA = 13C2 PFDA
- PFDoA = 13C2 PFDoA
- PFHxA = 13C2 PFHxA
- PFTDA = 13C2 PFTeDA
- PFUnA = 13C2 PFUnA
- C3PFBS = 13C3 PFBS
- PFBA = 13C4 PFBA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFOS = 13C4 PFOS
- PFNA = 13C5 PFNA
- PFPeA = 13C5 PFPeA
- PFOSA = 13C8 FOSA
- PFHxS = 18O2 PFHxS
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-591949/2-A

Matrix: Solid

Analysis Batch: 591954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591949

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Acetone	25	U	25	4.2	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/05/21 17:00	08/05/21 21:10	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591949/2-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591949

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>107</i>		<i>64 - 126</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>89</i>		<i>72 - 126</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>100</i>		<i>60 - 140</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>

Lab Sample ID: LCS 480-591949/1-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591949

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	53.8		ug/Kg		108	77 - 121
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/Kg		111	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.4		ug/Kg		87	60 - 140
1,1,2-Trichloroethane	50.0	55.0		ug/Kg		110	78 - 122
1,1-Dichloroethane	50.0	53.8		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	48.6		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	50.0	47.5		ug/Kg		95	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	56.1		ug/Kg		112	63 - 124
1,2-Dibromoethane	50.0	53.1		ug/Kg		106	78 - 120
1,2-Dichlorobenzene	50.0	53.2		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	55.2		ug/Kg		110	77 - 122
1,2-Dichloropropane	50.0	51.2		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	55.2		ug/Kg		110	74 - 120
1,4-Dichlorobenzene	50.0	55.3		ug/Kg		111	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	286		ug/Kg		114	59 - 130
4-Methyl-2-pentanone (MIBK)	250	273		ug/Kg		109	65 - 133
Acetone	250	231		ug/Kg		93	61 - 137
Benzene	50.0	52.2		ug/Kg		104	79 - 127
Bromodichloromethane	50.0	58.4		ug/Kg		117	80 - 122
Bromoform	50.0	54.7		ug/Kg		109	68 - 126
Bromomethane	50.0	66.2		ug/Kg		132	37 - 149
Carbon disulfide	50.0	44.9		ug/Kg		90	64 - 131
Carbon tetrachloride	50.0	57.3		ug/Kg		115	75 - 135
Chlorobenzene	50.0	53.0		ug/Kg		106	76 - 124
Chloroethane	50.0	73.1	TH	ug/Kg		146	69 - 135
Chloroform	50.0	53.6		ug/Kg		107	80 - 120
Chloromethane	50.0	64.6	TH	ug/Kg		129	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.0		ug/Kg		108	80 - 120
Cyclohexane	50.0	41.4		ug/Kg		83	65 - 120
Dibromochloromethane	50.0	61.1		ug/Kg		122	76 - 125
Dichlorodifluoromethane	50.0	35.6		ug/Kg		71	57 - 142
Ethylbenzene	50.0	55.2		ug/Kg		110	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591949/1-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	53.4		ug/Kg		107	72 - 120
Methyl acetate	100	95.7		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	47.8		ug/Kg		96	63 - 125
Methylcyclohexane	50.0	46.1		ug/Kg		92	60 - 140
Methylene Chloride	50.0	52.8		ug/Kg		106	61 - 127
Styrene	50.0	53.4		ug/Kg		107	80 - 120
Tetrachloroethene	50.0	50.4		ug/Kg		101	74 - 122
Toluene	50.0	53.5		ug/Kg		107	74 - 128
trans-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	78 - 126
Trichloroethene	50.0	50.4		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	49.9		ug/Kg		100	65 - 146
Vinyl chloride	50.0	67.5	TH	ug/Kg		135	61 - 133
Xylenes, Total	100	107		ug/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Lab Sample ID: MB 480-591956/2-A
Matrix: Solid
Analysis Batch: 591957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591956

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Acetone	25	U	25	4.2	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:06	08/05/21 20:44	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591956/2-A
Matrix: Solid
Analysis Batch: 591957

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591956

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Chloroform	0.342	J	5.0	0.31	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:06	08/05/21 20:44	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/05/21 17:06	08/05/21 20:44	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/05/21 17:06	08/05/21 20:44	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	104		64 - 126	08/05/21 17:06	08/05/21 20:44	1
4-Bromofluorobenzene (Surr)	106		72 - 126	08/05/21 17:06	08/05/21 20:44	1
Dibromofluoromethane (Surr)	106		60 - 140	08/05/21 17:06	08/05/21 20:44	1
Toluene-d8 (Surr)	102		71 - 125	08/05/21 17:06	08/05/21 20:44	1

Lab Sample ID: LCS 480-591956/1-A
Matrix: Solid
Analysis Batch: 591957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591956

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	50.0	48.4		ug/Kg		97	77 - 121
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/Kg		102	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.9		ug/Kg		96	60 - 140
1,1,2-Trichloroethane	50.0	49.3		ug/Kg		99	78 - 122
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	46.5		ug/Kg		93	59 - 125
1,2,4-Trichlorobenzene	50.0	52.0		ug/Kg		104	64 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591956/1-A
Matrix: Solid
Analysis Batch: 591957

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591956

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	51.1		ug/Kg		102	63 - 124
1,2-Dibromoethane	50.0	49.9		ug/Kg		100	78 - 120
1,2-Dichlorobenzene	50.0	50.4		ug/Kg		101	75 - 120
1,2-Dichloroethane	50.0	48.8		ug/Kg		98	77 - 122
1,2-Dichloropropane	50.0	48.4		ug/Kg		97	75 - 124
1,3-Dichlorobenzene	50.0	49.1		ug/Kg		98	74 - 120
1,4-Dichlorobenzene	50.0	49.4		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	249		ug/Kg		100	70 - 134
2-Hexanone	250	242		ug/Kg		97	59 - 130
4-Methyl-2-pentanone (MIBK)	250	243		ug/Kg		97	65 - 133
Acetone	250	252		ug/Kg		101	61 - 137
Benzene	50.0	48.6		ug/Kg		97	79 - 127
Bromodichloromethane	50.0	50.8		ug/Kg		102	80 - 122
Bromoform	50.0	53.8		ug/Kg		108	68 - 126
Bromomethane	50.0	52.8		ug/Kg		106	37 - 149
Carbon disulfide	50.0	47.7		ug/Kg		95	64 - 131
Carbon tetrachloride	50.0	49.2		ug/Kg		98	75 - 135
Chlorobenzene	50.0	49.2		ug/Kg		98	76 - 124
Chloroethane	50.0	48.3		ug/Kg		97	69 - 135
Chloroform	50.0	48.2		ug/Kg		96	80 - 120
Chloromethane	50.0	45.4		ug/Kg		91	63 - 127
cis-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	81 - 120
cis-1,3-Dichloropropene	50.0	50.0		ug/Kg		100	80 - 120
Cyclohexane	50.0	45.4		ug/Kg		91	65 - 120
Dibromochloromethane	50.0	52.2		ug/Kg		104	76 - 125
Dichlorodifluoromethane	50.0	46.6		ug/Kg		93	57 - 142
Ethylbenzene	50.0	48.5		ug/Kg		97	80 - 120
Isopropylbenzene	50.0	48.5		ug/Kg		97	72 - 120
Methyl acetate	100	96.1		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	50.3		ug/Kg		101	63 - 125
Methylcyclohexane	50.0	48.8		ug/Kg		98	60 - 140
Methylene Chloride	50.0	48.4		ug/Kg		97	61 - 127
Styrene	50.0	49.1		ug/Kg		98	80 - 120
Tetrachloroethene	50.0	47.8		ug/Kg		96	74 - 122
Toluene	50.0	48.1		ug/Kg		96	74 - 128
trans-1,2-Dichloroethene	50.0	48.0		ug/Kg		96	78 - 126
Trichloroethene	50.0	48.2		ug/Kg		96	77 - 129
Trichlorofluoromethane	50.0	49.9		ug/Kg		100	65 - 146
Vinyl chloride	50.0	46.8		ug/Kg		94	61 - 133
Xylenes, Total	100	98.9		ug/Kg		99	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	103		60 - 140
Toluene-d8 (Surr)	101		71 - 125

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-591800/1-A

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591800

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
1,4-Dioxane	99	U	99	55	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4-Dinitrophenol	1600	U	1600	780	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Chlorophenol	330	U	330	31	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Methylphenol	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Nitroaniline	330	U	330	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
2-Nitrophenol	170	U	170	48	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
3-Nitroaniline	330	U	330	47	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Chloroaniline	170	U	170	42	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Methylphenol	330	U	330	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Nitroaniline	330	U	330	88	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
4-Nitrophenol	330	U	330	120	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Acenaphthene	170	U	170	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Acenaphthylene	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Acetophenone	170	U	170	23	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Anthracene	170	U	170	42	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Atrazine	170	U	170	58	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzaldehyde	170	U	170	130	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Biphenyl	170	U	170	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Caprolactam	170	U	170	51	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Carbazole	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Chrysene	170	U	170	38	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Dibenzofuran	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-591800/1-A
Matrix: Solid
Analysis Batch: 592166

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591800

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Dimethyl phthalate	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Fluoranthene	170	U	170	18	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Fluorene	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Hexachlorobenzene	170	U	170	23	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Hexachloroethane	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Isophorone	170	U	170	36	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Naphthalene	170	U	170	22	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Nitrobenzene	170	U	170	19	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Pentachlorophenol	330	U	330	170	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Phenanthrene	170	U	170	25	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Phenol	170	U	170	26	ug/Kg		08/05/21 08:10	08/09/21 15:31	1
Pyrene	170	U	170	20	ug/Kg		08/05/21 08:10	08/09/21 15:31	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	252	T J	ug/Kg		3.01		08/05/21 08:10	08/09/21 15:31	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	84		54 - 120	08/05/21 08:10	08/09/21 15:31	1
2-Fluorobiphenyl (Surr)	80		60 - 120	08/05/21 08:10	08/09/21 15:31	1
2-Fluorophenol (Surr)	68		52 - 120	08/05/21 08:10	08/09/21 15:31	1
Nitrobenzene-d5 (Surr)	72		53 - 120	08/05/21 08:10	08/09/21 15:31	1
Phenol-d5 (Surr)	73		54 - 120	08/05/21 08:10	08/09/21 15:31	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/05/21 08:10	08/09/21 15:31	1

Lab Sample ID: LCS 480-591800/2-A
Matrix: Solid
Analysis Batch: 592166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591800

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1660	1720		ug/Kg		103	59 - 125
1,4-Dioxane	1660	852		ug/Kg		51	23 - 120
2,3,4,6-Tetrachlorophenol	1660	1700		ug/Kg		102	64 - 120
2,4,5-Trichlorophenol	1660	1720		ug/Kg		103	59 - 126
2,4,6-Trichlorophenol	1660	1720		ug/Kg		103	59 - 123
2,4-Dichlorophenol	1660	1720		ug/Kg		103	61 - 120
2,4-Dimethylphenol	1660	1710		ug/Kg		103	59 - 120
2,4-Dinitrophenol	3320	3030		ug/Kg		91	41 - 146
2,4-Dinitrotoluene	1660	1760		ug/Kg		106	63 - 120
2,6-Dinitrotoluene	1660	1760		ug/Kg		106	66 - 120
2-Chloronaphthalene	1660	1640		ug/Kg		98	57 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-591800/2-A

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 591800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	1660	1490		ug/Kg		90	53 - 120
2-Methylnaphthalene	1660	1650		ug/Kg		99	59 - 120
2-Methylphenol	1660	1520		ug/Kg		92	54 - 120
2-Nitroaniline	1660	1570		ug/Kg		94	61 - 120
2-Nitrophenol	1660	1660		ug/Kg		100	56 - 120
3,3'-Dichlorobenzidine	3320	3250		ug/Kg		98	54 - 120
3-Nitroaniline	1660	1520		ug/Kg		91	48 - 120
4,6-Dinitro-2-methylphenol	3320	3430		ug/Kg		103	49 - 122
4-Bromophenyl phenyl ether	1660	1840		ug/Kg		111	58 - 120
4-Chloro-3-methylphenol	1660	1670		ug/Kg		100	61 - 120
4-Chloroaniline	1660	1490		ug/Kg		90	38 - 120
4-Chlorophenyl phenyl ether	1660	1780		ug/Kg		107	63 - 124
4-Methylphenol	1660	1590		ug/Kg		96	55 - 120
4-Nitroaniline	1660	1710		ug/Kg		103	56 - 120
4-Nitrophenol	3320	3760		ug/Kg		113	43 - 147
Acenaphthene	1660	1640		ug/Kg		99	62 - 120
Acenaphthylene	1660	1800		ug/Kg		108	58 - 121
Acetophenone	1660	1550		ug/Kg		93	54 - 120
Anthracene	1660	1790		ug/Kg		108	62 - 120
Atrazine	3320	3380		ug/Kg		102	60 - 127
Benzaldehyde	3320	3030		ug/Kg		91	10 - 150
Benzo[a]anthracene	1660	1780		ug/Kg		107	65 - 120
Benzo[a]pyrene	1660	1810		ug/Kg		109	64 - 120
Benzo[b]fluoranthene	1660	1860		ug/Kg		112	64 - 120
Benzo[g,h,i]perylene	1660	2010		ug/Kg		121	45 - 145
Benzo[k]fluoranthene	1660	1730		ug/Kg		104	65 - 120
Biphenyl	1660	1700		ug/Kg		103	59 - 120
bis (2-chloroisopropyl) ether	1660	1260		ug/Kg		76	44 - 120
Bis(2-chloroethoxy)methane	1660	1560		ug/Kg		94	55 - 120
Bis(2-chloroethyl)ether	1660	1390		ug/Kg		84	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1700		ug/Kg		102	61 - 133
Butyl benzyl phthalate	1660	1740		ug/Kg		104	61 - 129
Caprolactam	3320	3280		ug/Kg		99	47 - 120
Carbazole	1660	1770		ug/Kg		107	65 - 120
Chrysene	1660	1810		ug/Kg		109	64 - 120
Dibenz(a,h)anthracene	1660	2120		ug/Kg		127	54 - 132
Dibenzofuran	1660	1750		ug/Kg		105	63 - 120
Diethyl phthalate	1660	1780		ug/Kg		107	66 - 120
Dimethyl phthalate	1660	1750		ug/Kg		105	65 - 124
Di-n-butyl phthalate	1660	1780		ug/Kg		107	58 - 130
Di-n-octyl phthalate	1660	1700		ug/Kg		102	57 - 133
Fluoranthene	1660	1750		ug/Kg		105	62 - 120
Fluorene	1660	1750		ug/Kg		105	63 - 120
Hexachlorobenzene	1660	1840		ug/Kg		111	60 - 120
Hexachlorobutadiene	1660	1730		ug/Kg		104	45 - 120
Hexachlorocyclopentadiene	1660	1680		ug/Kg		101	47 - 120
Hexachloroethane	1660	1390		ug/Kg		83	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1920		ug/Kg		115	56 - 134
Isophorone	1660	1630		ug/Kg		98	56 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-591800/2-A
Matrix: Solid
Analysis Batch: 592166

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591800

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1660	1560		ug/Kg		94	55 - 120
Nitrobenzene	1660	1560		ug/Kg		94	54 - 120
N-Nitrosodi-n-propylamine	1660	1500		ug/Kg		91	52 - 120
N-Nitrosodiphenylamine	1660	1710		ug/Kg		103	51 - 128
Pentachlorophenol	3320	3380		ug/Kg		102	51 - 120
Phenanthrene	1660	1810		ug/Kg		109	60 - 120
Phenol	1660	1420		ug/Kg		86	53 - 120
Pyrene	1660	1740		ug/Kg		105	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	111		54 - 120
2-Fluorobiphenyl (Surr)	102		60 - 120
2-Fluorophenol (Surr)	84		52 - 120
Nitrobenzene-d5 (Surr)	96		53 - 120
Phenol-d5 (Surr)	90		54 - 120
p-Terphenyl-d14 (Surr)	105		79 - 130

Lab Sample ID: 480-187922-11 MS
Matrix: Solid
Analysis Batch: 592166

Client Sample ID: B-21-123(1-2)(08022021)
Prep Type: Total/NA
Prep Batch: 591800

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	200	U	1910	1650		ug/Kg	☼	86	59 - 120
1,4-Dioxane	120	U	1910	773		ug/Kg	☼	40	13 - 120
2,3,4,6-Tetrachlorophenol	200	U	1910	1920		ug/Kg	☼	100	50 - 150
2,4,5-Trichlorophenol	200	U	1910	1950		ug/Kg	☼	102	46 - 120
2,4,6-Trichlorophenol	200	U	1910	1890		ug/Kg	☼	99	41 - 123
2,4-Dichlorophenol	200	U	1910	1810		ug/Kg	☼	95	45 - 120
2,4-Dimethylphenol	200	U	1910	1840		ug/Kg	☼	96	52 - 120
2,4-Dinitrophenol	1900	U	3830	3240		ug/Kg	☼	85	41 - 146
2,4-Dinitrotoluene	200	U	1910	1990		ug/Kg	☼	104	63 - 125
2,6-Dinitrotoluene	200	U	1910	1920		ug/Kg	☼	101	66 - 120
2-Chloronaphthalene	200	U	1910	1700		ug/Kg	☼	89	57 - 120
2-Chlorophenol	380	U	1910	1550		ug/Kg	☼	81	43 - 120
2-Methylnaphthalene	200	U	1910	1680		ug/Kg	☼	88	55 - 120
2-Methylphenol	200	U	1910	1660		ug/Kg	☼	87	48 - 120
2-Nitroaniline	380	U	1910	1780		ug/Kg	☼	93	61 - 120
2-Nitrophenol	200	U	1910	1660		ug/Kg	☼	87	37 - 120
3,3'-Dichlorobenzidine	380	U	3830	3590		ug/Kg	☼	94	37 - 126
3-Nitroaniline	380	U	1910	1790		ug/Kg	☼	94	48 - 120
4,6-Dinitro-2-methylphenol	380	U	3830	3880		ug/Kg	☼	101	23 - 149
4-Bromophenyl phenyl ether	200	U	1910	1990		ug/Kg	☼	104	58 - 120
4-Chloro-3-methylphenol	200	U	1910	1950		ug/Kg	☼	102	49 - 125
4-Chloroaniline	200	U	1910	1630		ug/Kg	☼	85	38 - 120
4-Chlorophenyl phenyl ether	200	U	1910	1920		ug/Kg	☼	100	63 - 124
4-Methylphenol	380	U	1910	1740		ug/Kg	☼	91	50 - 120
4-Nitroaniline	380	U	1910	1990		ug/Kg	☼	104	47 - 120
4-Nitrophenol	380	U	3830	4510		ug/Kg	☼	118	31 - 147

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187922-11 MS

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: B-21-123(1-2)(08022021)

Prep Type: Total/NA

Prep Batch: 591800

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	200	U	1910	1760		ug/Kg	*	92	60 - 120
Acenaphthylene	200	U	1910	1900		ug/Kg	*	99	58 - 121
Acetophenone	200	U	1910	1550		ug/Kg	*	81	47 - 120
Anthracene	200	U	1910	1940		ug/Kg	*	101	62 - 120
Atrazine	200	U	3830	3990		ug/Kg	*	104	60 - 150
Benzaldehyde	200	U	3830	3160		ug/Kg	*	83	10 - 150
Benzo[a]anthracene	200	U	1910	1980		ug/Kg	*	104	65 - 120
Benzo[a]pyrene	200	U	1910	1980		ug/Kg	*	103	64 - 120
Benzo[b]fluoranthene	200	U	1910	1950		ug/Kg	*	102	10 - 150
Benzo[g,h,i]perylene	200	U	1910	2130		ug/Kg	*	111	45 - 145
Benzo[k]fluoranthene	200	U	1910	1990		ug/Kg	*	104	23 - 150
Biphenyl	200	U	1910	1710		ug/Kg	*	90	58 - 120
bis (2-chloroisopropyl) ether	200	U	1910	1250		ug/Kg	*	65	31 - 120
Bis(2-chloroethoxy)methane	200	U	1910	1590		ug/Kg	*	83	52 - 120
Bis(2-chloroethyl)ether	200	U	1910	1350		ug/Kg	*	70	45 - 120
Bis(2-ethylhexyl) phthalate	200	U	1910	1900		ug/Kg	*	99	61 - 133
Butyl benzyl phthalate	200	U	1910	1900		ug/Kg	*	100	61 - 120
Caprolactam	200	U	3830	3730		ug/Kg	*	98	37 - 133
Carbazole	200	U	1910	2040		ug/Kg	*	107	59 - 120
Chrysene	200	U	1910	2010		ug/Kg	*	105	64 - 120
Dibenz(a,h)anthracene	200	U	1910	2250		ug/Kg	*	118	54 - 132
Dibenzofuran	200	U	1910	1880		ug/Kg	*	98	62 - 120
Diethyl phthalate	200	U	1910	1940		ug/Kg	*	102	66 - 120
Dimethyl phthalate	200	U	1910	1950		ug/Kg	*	102	65 - 124
Di-n-butyl phthalate	200	U	1910	1980		ug/Kg	*	103	58 - 130
Di-n-octyl phthalate	200	U	1910	1860		ug/Kg	*	97	57 - 133
Fluoranthene	200	U	1910	1970		ug/Kg	*	103	62 - 120
Fluorene	200	U	1910	1890		ug/Kg	*	99	63 - 120
Hexachlorobenzene	200	U	1910	2010		ug/Kg	*	105	60 - 120
Hexachlorobutadiene	200	U	1910	1570		ug/Kg	*	82	45 - 120
Hexachlorocyclopentadiene	200	U	1910	1580		ug/Kg	*	83	31 - 120
Hexachloroethane	200	U	1910	1310		ug/Kg	*	68	21 - 120
Indeno[1,2,3-cd]pyrene	200	U	1910	2050		ug/Kg	*	107	56 - 134
Isophorone	200	U	1910	1660		ug/Kg	*	87	56 - 120
Naphthalene	200	U	1910	1510		ug/Kg	*	79	46 - 120
Nitrobenzene	200	U	1910	1460		ug/Kg	*	76	49 - 120
N-Nitrosodi-n-propylamine	200	U	1910	1630		ug/Kg	*	85	46 - 120
N-Nitrosodiphenylamine	200	U	1910	1890		ug/Kg	*	99	20 - 128
Pentachlorophenol	380	U	3830	3630		ug/Kg	*	95	25 - 136
Phenanthrene	200	U	1910	1980		ug/Kg	*	103	60 - 122
Phenol	200	U	1910	1500		ug/Kg	*	79	50 - 120
Pyrene	200	U	1910	1960		ug/Kg	*	102	61 - 133
	MS	MS							
Surrogate	%Recovery	Qualifier	Limits						
2,4,6-Tribromophenol (Surr)	108		54 - 120						
2-Fluorobiphenyl (Surr)	94		60 - 120						
2-Fluorophenol (Surr)	77		52 - 120						
Nitrobenzene-d5 (Surr)	79		53 - 120						

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187922-11 MS

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: B-21-123(1-2)(08022021)

Prep Type: Total/NA

Prep Batch: 591800

<i>Surrogate</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
<i>Phenol-d5 (Surr)</i>	83		54 - 120
<i>p-Terphenyl-d14 (Surr)</i>	105		79 - 130

Lab Sample ID: 480-187922-11 MSD

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: B-21-123(1-2)(08022021)

Prep Type: Total/NA

Prep Batch: 591800

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene	200	U	1930	1800		ug/Kg	⊛	93	59 - 120	9	21
1,4-Dioxane	120	U	1930	869		ug/Kg	⊛	45	13 - 120	12	50
2,3,4,6-Tetrachlorophenol	200	U	1930	1890		ug/Kg	⊛	98	50 - 150	2	33
2,4,5-Trichlorophenol	200	U	1930	1890		ug/Kg	⊛	98	46 - 120	3	18
2,4,6-Trichlorophenol	200	U	1930	1900		ug/Kg	⊛	98	41 - 123	0	19
2,4-Dichlorophenol	200	U	1930	1850		ug/Kg	⊛	96	45 - 120	2	19
2,4-Dimethylphenol	200	U	1930	1870		ug/Kg	⊛	97	52 - 120	2	42
2,4-Dinitrophenol	1900	U	3870	3210		ug/Kg	⊛	83	41 - 146	1	22
2,4-Dinitrotoluene	200	U	1930	1920		ug/Kg	⊛	99	63 - 125	3	20
2,6-Dinitrotoluene	200	U	1930	1900		ug/Kg	⊛	98	66 - 120	1	15
2-Chloronaphthalene	200	U	1930	1760		ug/Kg	⊛	91	57 - 120	3	21
2-Chlorophenol	380	U	1930	1600		ug/Kg	⊛	83	43 - 120	3	25
2-Methylnaphthalene	200	U	1930	1790		ug/Kg	⊛	92	55 - 120	6	21
2-Methylphenol	200	U	1930	1690		ug/Kg	⊛	87	48 - 120	2	27
2-Nitroaniline	380	U	1930	1780		ug/Kg	⊛	92	61 - 120	0	15
2-Nitrophenol	200	U	1930	1760		ug/Kg	⊛	91	37 - 120	6	18
3,3'-Dichlorobenzidine	380	U	3870	3550		ug/Kg	⊛	92	37 - 126	1	25
3-Nitroaniline	380	U	1930	1720		ug/Kg	⊛	89	48 - 120	4	19
4,6-Dinitro-2-methylphenol	380	U	3870	3770		ug/Kg	⊛	98	23 - 149	3	15
4-Bromophenyl phenyl ether	200	U	1930	1960		ug/Kg	⊛	101	58 - 120	1	15
4-Chloro-3-methylphenol	200	U	1930	1850		ug/Kg	⊛	96	49 - 125	5	27
4-Chloroaniline	200	U	1930	1640		ug/Kg	⊛	85	38 - 120	0	22
4-Chlorophenyl phenyl ether	200	U	1930	1910		ug/Kg	⊛	99	63 - 124	0	16
4-Methylphenol	380	U	1930	1750		ug/Kg	⊛	90	50 - 120	1	24
4-Nitroaniline	380	U	1930	1890		ug/Kg	⊛	98	47 - 120	5	24
4-Nitrophenol	380	U	3870	4170		ug/Kg	⊛	108	31 - 147	8	25
Acenaphthene	200	U	1930	1800		ug/Kg	⊛	93	60 - 120	2	35
Acenaphthylene	200	U	1930	1930		ug/Kg	⊛	100	58 - 121	2	18
Acetophenone	200	U	1930	1640		ug/Kg	⊛	85	47 - 120	6	20
Anthracene	200	U	1930	1930		ug/Kg	⊛	100	62 - 120	0	15
Atrazine	200	U	3870	3850		ug/Kg	⊛	100	60 - 150	3	20
Benzaldehyde	200	U	3870	3270		ug/Kg	⊛	85	10 - 150	3	20
Benzo[a]anthracene	200	U	1930	1960		ug/Kg	⊛	101	65 - 120	1	15
Benzo[a]pyrene	200	U	1930	1980		ug/Kg	⊛	102	64 - 120	0	15
Benzo[b]fluoranthene	200	U	1930	1920		ug/Kg	⊛	99	10 - 150	2	15
Benzo[g,h,i]perylene	200	U	1930	2170		ug/Kg	⊛	112	45 - 145	2	15
Benzo[k]fluoranthene	200	U	1930	2080		ug/Kg	⊛	108	23 - 150	5	22
Biphenyl	200	U	1930	1810		ug/Kg	⊛	94	58 - 120	5	20
bis (2-chloroisopropyl) ether	200	U	1930	1360		ug/Kg	⊛	70	31 - 120	8	24
Bis(2-chloroethoxy)methane	200	U	1930	1670		ug/Kg	⊛	86	52 - 120	5	17

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-187922-11 MSD

Matrix: Solid

Analysis Batch: 592166

Client Sample ID: B-21-123(1-2)(08022021)

Prep Type: Total/NA

Prep Batch: 591800

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bis(2-chloroethyl)ether	200	U	1930	1460		ug/Kg	*	75	45 - 120	8	21
Bis(2-ethylhexyl) phthalate	200	U	1930	1850		ug/Kg	*	96	61 - 133	2	15
Butyl benzyl phthalate	200	U	1930	1870		ug/Kg	*	97	61 - 120	2	16
Caprolactam	200	U	3870	3630		ug/Kg	*	94	37 - 133	3	20
Carbazole	200	U	1930	1970		ug/Kg	*	102	59 - 120	3	20
Chrysene	200	U	1930	2010		ug/Kg	*	104	64 - 120	0	15
Dibenz(a,h)anthracene	200	U	1930	2250		ug/Kg	*	116	54 - 132	0	15
Dibenzofuran	200	U	1930	1900		ug/Kg	*	99	62 - 120	1	15
Diethyl phthalate	200	U	1930	1960		ug/Kg	*	101	66 - 120	1	15
Dimethyl phthalate	200	U	1930	1910		ug/Kg	*	99	65 - 124	2	15
Di-n-butyl phthalate	200	U	1930	1940		ug/Kg	*	100	58 - 130	2	15
Di-n-octyl phthalate	200	U	1930	1860		ug/Kg	*	96	57 - 133	0	16
Fluoranthene	200	U	1930	1880		ug/Kg	*	97	62 - 120	5	15
Fluorene	200	U	1930	1890		ug/Kg	*	98	63 - 120	0	15
Hexachlorobenzene	200	U	1930	1990		ug/Kg	*	103	60 - 120	1	15
Hexachlorobutadiene	200	U	1930	1730		ug/Kg	*	90	45 - 120	10	44
Hexachlorocyclopentadiene	200	U	1930	1720		ug/Kg	*	89	31 - 120	8	49
Hexachloroethane	200	U	1930	1420		ug/Kg	*	73	21 - 120	8	46
Indeno[1,2,3-cd]pyrene	200	U	1930	2050		ug/Kg	*	106	56 - 134	0	15
Isophorone	200	U	1930	1740		ug/Kg	*	90	56 - 120	4	17
Naphthalene	200	U	1930	1640		ug/Kg	*	85	46 - 120	8	29
Nitrobenzene	200	U	1930	1620		ug/Kg	*	84	49 - 120	10	24
N-Nitrosodi-n-propylamine	200	U	1930	1680		ug/Kg	*	87	46 - 120	3	31
N-Nitrosodiphenylamine	200	U	1930	1920		ug/Kg	*	99	20 - 128	1	15
Pentachlorophenol	380	U	3870	3510		ug/Kg	*	91	25 - 136	3	35
Phenanthrene	200	U	1930	1950		ug/Kg	*	101	60 - 122	1	15
Phenol	200	U	1930	1530		ug/Kg	*	79	50 - 120	2	35
Pyrene	200	U	1930	1950		ug/Kg	*	101	61 - 133	0	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	104		54 - 120
2-Fluorobiphenyl (Surr)	96		60 - 120
2-Fluorophenol (Surr)	81		52 - 120
Nitrobenzene-d5 (Surr)	87		53 - 120
Phenol-d5 (Surr)	86		54 - 120
p-Terphenyl-d14 (Surr)	102		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-591986/1-A

Matrix: Solid

Analysis Batch: 592134

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591986

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.7	U	1.7	0.32	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
4,4'-DDE	1.7	U	1.7	0.35	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
4,4'-DDT	1.7	U	1.7	0.39	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Aldrin	1.7	U	1.7	0.41	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
alpha-BHC	1.7	U	1.7	0.30	ug/Kg		08/06/21 08:09	08/09/21 10:20	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-591986/1-A
Matrix: Solid
Analysis Batch: 592134

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591986

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
beta-BHC	1.7	U	1.7	0.30	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
cis-Chlordane	1.7	U	1.7	0.82	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
delta-BHC	1.7	U	1.7	0.31	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Dieldrin	1.7	U	1.7	0.40	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endosulfan I	1.7	U	1.7	0.32	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endosulfan II	1.7	U	1.7	0.30	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endosulfan sulfate	1.7	U	1.7	0.31	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endrin	1.7	U	1.7	0.33	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endrin aldehyde	1.7	U	1.7	0.42	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Endrin ketone	1.7	U	1.7	0.41	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
gamma-BHC (Lindane)	0.474	J	1.7	0.30	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Heptachlor	1.7	U	1.7	0.36	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Heptachlor epoxide	1.7	U	1.7	0.43	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Methoxychlor	1.7	U	1.7	0.34	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
Toxaphene	17	U	17	9.6	ug/Kg		08/06/21 08:09	08/09/21 10:20	1
trans-Chlordane	1.7	U	1.7	0.53	ug/Kg		08/06/21 08:09	08/09/21 10:20	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	82		45 - 120	08/06/21 08:09	08/09/21 10:20	1
DCB Decachlorobiphenyl	92		45 - 120	08/06/21 08:09	08/09/21 10:20	1
Tetrachloro-m-xylene	74		30 - 124	08/06/21 08:09	08/09/21 10:20	1
Tetrachloro-m-xylene	59		30 - 124	08/06/21 08:09	08/09/21 10:20	1

Lab Sample ID: LCS 480-591986/2-A
Matrix: Solid
Analysis Batch: 592134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591986

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDE	16.4	12.2		ug/Kg		74	44 - 120
4,4'-DDT	16.4	16.1		ug/Kg		98	38 - 120
Aldrin	16.4	11.0		ug/Kg		67	38 - 120
alpha-BHC	16.4	9.89		ug/Kg		60	39 - 120
beta-BHC	16.4	12.6		ug/Kg		77	40 - 120
cis-Chlordane	16.4	11.0		ug/Kg		67	47 - 120
delta-BHC	16.4	12.7		ug/Kg		77	45 - 120
Dieldrin	16.4	13.6		ug/Kg		83	58 - 120
Endosulfan I	16.4	13.2		ug/Kg		80	49 - 120
Endosulfan II	16.4	15.1		ug/Kg		92	55 - 120
Endosulfan sulfate	16.4	17.4		ug/Kg		106	49 - 124
Endrin	16.4	14.3		ug/Kg		87	58 - 120
Endrin aldehyde	16.4	12.7		ug/Kg		77	37 - 121
Endrin ketone	16.4	15.6		ug/Kg		95	46 - 123
gamma-BHC (Lindane)	16.4	11.5		ug/Kg		70	50 - 120
Heptachlor	16.4	12.9		ug/Kg		79	50 - 120
Heptachlor epoxide	16.4	13.4		ug/Kg		82	50 - 120
Methoxychlor	16.4	18.3		ug/Kg		112	58 - 133
trans-Chlordane	16.4	14.6		ug/Kg		89	48 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-591986/2-A
Matrix: Solid
Analysis Batch: 592134

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591986

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	86		45 - 120
DCB Decachlorobiphenyl	88		45 - 120
Tetrachloro-m-xylene	80		30 - 124
Tetrachloro-m-xylene	62		30 - 124

Lab Sample ID: 480-187922-18 MS
Matrix: Solid
Analysis Batch: 592134

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 591986

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier				
4,4'-DDD	0.59	J	19.4	20.4		ug/Kg	☼	102	37 - 126
4,4'-DDE	1.9	U	19.4	17.1		ug/Kg	☼	88	34 - 120
4,4'-DDT	1.9	U	19.4	21.4		ug/Kg	☼	110	43 - 123
Aldrin	1.9	U	19.4	14.8		ug/Kg	☼	76	37 - 125
alpha-BHC	1.9	U	19.4	14.1		ug/Kg	☼	73	39 - 120
beta-BHC	1.9	U	19.4	18.2		ug/Kg	☼	94	36 - 120
cis-Chlordane	1.9	U	19.4	15.2		ug/Kg	☼	78	35 - 120
delta-BHC	1.9	U	19.4	17.4		ug/Kg	☼	89	34 - 120
Dieldrin	1.9	U	19.4	18.3		ug/Kg	☼	94	45 - 120
Endosulfan I	0.39	J	19.4	17.5		ug/Kg	☼	88	39 - 120
Endosulfan II	0.42	J	19.4	19.5		ug/Kg	☼	99	34 - 126
Endosulfan sulfate	0.59	J	19.4	22.1		ug/Kg	☼	111	27 - 130
Endrin	1.9	U	19.4	19.7		ug/Kg	☼	101	47 - 121
Endrin aldehyde	1.9	U	19.4	14.4		ug/Kg	☼	74	33 - 123
Endrin ketone	0.73	J	19.4	20.5		ug/Kg	☼	102	43 - 126
gamma-BHC (Lindane)	0.67	J B T	19.4	15.9		ug/Kg	☼	78	50 - 120
Heptachlor	1.9	U	19.4	16.8		ug/Kg	☼	86	42 - 120
Heptachlor epoxide	1.9	U	19.4	17.7		ug/Kg	☼	91	40 - 120
Methoxychlor	1.9	U	19.4	24.1		ug/Kg	☼	124	44 - 150
trans-Chlordane	0.92	J	19.4	15.9		ug/Kg	☼	77	31 - 120

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	96		45 - 120
DCB Decachlorobiphenyl	102		45 - 120
Tetrachloro-m-xylene	97		30 - 124
Tetrachloro-m-xylene	83		30 - 124

Lab Sample ID: 480-187922-18 MSD
Matrix: Solid
Analysis Batch: 592134

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 591986

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	Limits	RPD	Limit
	Result	Qualifier	Added	Result	Qualifier						
4,4'-DDD	0.59	J	19.3	20.5		ug/Kg	☼	103	37 - 126	1	21
4,4'-DDE	1.9	U	19.3	17.6		ug/Kg	☼	91	34 - 120	3	18
4,4'-DDT	1.9	U	19.3	22.7		ug/Kg	☼	118	43 - 123	6	25
Aldrin	1.9	U	19.3	16.6		ug/Kg	☼	86	37 - 125	11	12
alpha-BHC	1.9	U	19.3	15.6		ug/Kg	☼	81	39 - 120	10	15
beta-BHC	1.9	U	19.3	21.6		ug/Kg	☼	112	36 - 120	17	19

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-187922-18 MSD

Client Sample ID: B-21-116(5-6)(08032021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592134

Prep Batch: 591986

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	Limit
	Result	Qualifier		Result	Qualifier						
cis-Chlordane	1.9	U	19.3	15.7		ug/Kg	☼	82	35 - 120	4	23
delta-BHC	1.9	U	19.3	19.5		ug/Kg	☼	101	34 - 120	12	14
Dieldrin	1.9	U	19.3	18.8		ug/Kg	☼	97	45 - 120	3	12
Endosulfan I	0.39	J	19.3	18.4		ug/Kg	☼	94	39 - 120	5	18
Endosulfan II	0.42	J	19.3	20.0		ug/Kg	☼	102	34 - 126	2	26
Endosulfan sulfate	0.59	J	19.3	24.5		ug/Kg	☼	124	27 - 130	10	35
Endrin	1.9	U	19.3	19.9		ug/Kg	☼	103	47 - 121	1	20
Endrin aldehyde	1.9	U	19.3	16.0		ug/Kg	☼	83	33 - 123	10	47
Endrin ketone	0.73	J	19.3	22.9		ug/Kg	☼	115	43 - 126	11	37
gamma-BHC (Lindane)	0.67	J B T	19.3	18.3	T	ug/Kg	☼	91	50 - 120	14	12
Heptachlor	1.9	U	19.3	20.0		ug/Kg	☼	104	42 - 120	18	22
Heptachlor epoxide	1.9	U	19.3	19.4		ug/Kg	☼	101	40 - 120	9	15
Methoxychlor	1.9	U	19.3	26.5		ug/Kg	☼	137	44 - 150	9	24
trans-Chlordane	0.92	J	19.3	16.7		ug/Kg	☼	82	31 - 120	5	15

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	106		45 - 120
DCB Decachlorobiphenyl	110		45 - 120
Tetrachloro-m-xylene	115		30 - 124
Tetrachloro-m-xylene	84		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-591991/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592120

Prep Batch: 591991

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.24	U	0.24	0.047	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg		08/06/21 08:18	08/09/21 01:16	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg		08/06/21 08:18	08/09/21 01:16	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	117		60 - 154	08/06/21 08:18	08/09/21 01:16	1
Tetrachloro-m-xylene	125		60 - 154	08/06/21 08:18	08/09/21 01:16	1
DCB Decachlorobiphenyl	98		65 - 174	08/06/21 08:18	08/09/21 01:16	1
DCB Decachlorobiphenyl	103		65 - 174	08/06/21 08:18	08/09/21 01:16	1

Lab Sample ID: LCS 480-591991/2-A

Client Sample ID: Lab Control Sample

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592120

Prep Batch: 591991

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec.
PCB-1016	2.25	2.71		mg/Kg		121	51 - 185

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 480-591991/2-A
Matrix: Solid
Analysis Batch: 592120

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591991

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1260	2.25	2.53		mg/Kg		112	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	136		60 - 154
Tetrachloro-m-xylene	142		60 - 154
DCB Decachlorobiphenyl	113		65 - 174
DCB Decachlorobiphenyl	116		65 - 174

Lab Sample ID: 480-187922-8 MS
Matrix: Solid
Analysis Batch: 592120

Client Sample ID: B-21-129(6-7)(08022021)
Prep Type: Total/NA
Prep Batch: 591991

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.27	U	2.60	3.11		mg/Kg	☼	120	50 - 177
PCB-1260	0.27	U	2.60	2.91		mg/Kg	☼	112	33 - 200

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	146		60 - 154
Tetrachloro-m-xylene	152		60 - 154
DCB Decachlorobiphenyl	112		65 - 174
DCB Decachlorobiphenyl	124		65 - 174

Lab Sample ID: 480-187922-8 MSD
Matrix: Solid
Analysis Batch: 592120

Client Sample ID: B-21-129(6-7)(08022021)
Prep Type: Total/NA
Prep Batch: 591991

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
PCB-1016	0.27	U	2.46	3.10		mg/Kg	☼	126	50 - 177	0	50
PCB-1260	0.27	U	2.46	2.84		mg/Kg	☼	116	33 - 200	2	50

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	140		60 - 154
Tetrachloro-m-xylene	149		60 - 154
DCB Decachlorobiphenyl	114		65 - 174
DCB Decachlorobiphenyl	124		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-592261/1-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592261

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	17	U	17	10	ug/Kg		08/10/21 07:29	08/12/21 14:34	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		08/10/21 07:29	08/12/21 14:34	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	08/10/21 07:29	08/12/21 14:34	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 480-592261/1-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592261

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4-Dichlorophenylacetic acid	71		28 - 129	08/10/21 07:29	08/12/21 14:34	1

Lab Sample ID: LCS 480-592261/2-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592261

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
2,4-D	66.4	43.4		ug/Kg		65	40 - 120
Silvex (2,4,5-TP)	66.4	43.6		ug/Kg		66	39 - 125

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	77		28 - 129
2,4-Dichlorophenylacetic acid	89		28 - 129

Lab Sample ID: 480-187922-18 MS
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 592261

Analyte	Sample		Spike Added	MS MS		Unit	D	%Rec	Limits
	Result	Qualifier		Result	Qualifier				
2,4-D	19	U	77.1	46.7		ug/Kg	☼	61	32 - 115
Silvex (2,4,5-TP)	19	U	77.1	43.9		ug/Kg	☼	57	22 - 140

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	65		28 - 129
2,4-Dichlorophenylacetic acid	59		28 - 129

Lab Sample ID: 480-187922-18 MSD
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 592261

Analyte	Sample		Spike Added	MSD MSD		Unit	D	%Rec	Limits	RPD	
	Result	Qualifier		Result	Qualifier					RPD	Limit
2,4-D	19	U	76.9	45.2		ug/Kg	☼	59	32 - 115	3	50
Silvex (2,4,5-TP)	19	U	76.9	44.8		ug/Kg	☼	58	22 - 140	2	50

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	66		28 - 129
2,4-Dichlorophenylacetic acid	66		28 - 129

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-169877/1-A
Matrix: Solid
Analysis Batch: 169943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169877

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.0	U	2.0	0.016	ug/Kg		08/05/21 11:16	08/06/21 18:49	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 200-169877/1-A
Matrix: Solid
Analysis Batch: 169943

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 169877

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.0	U	2.0	0.031	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.0	U	2.0	0.046	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.0	U	2.0	0.037	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorobutanesulfonic acid (PFBS)	0.20	U	0.20	0.0093	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorobutanoic acid (PFBA)	0.50	U	0.50	0.16	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorodecanesulfonic acid (PFDS)	0.20	U	0.20	0.012	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorodecanoic acid (PFDA)	0.20	U	0.20	0.012	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorododecanoic acid (PFDoA)	0.20	U	0.20	0.021	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.20	U	0.20	0.015	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluoroheptanoic acid (PFHpA)	0.20	U	0.20	0.020	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorohexanesulfonic acid (PFHxS)	0.20	U	0.20	0.014	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorohexanoic acid (PFHxA)	0.20	U	0.20	0.022	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorononanoic acid (PFNA)	0.20	U	0.20	0.018	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorooctanesulfonamide (PFOSA)	0.20	U	0.20	0.017	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorooctanesulfonic acid (PFOS)	0.20	U	0.20	0.016	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorooctanoic acid (PFOA)	0.20	U	0.20	0.025	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluoropentanoic acid (PFPeA)	0.20	U	0.20	0.039	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorotetradecanoic acid (PFTeA)	0.20	U	0.20	0.023	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluorotridecanoic acid (PFTriA)	0.20	U	0.20	0.015	ug/Kg		08/05/21 11:16	08/06/21 18:49	1
Perfluoroundecanoic acid (PFUnA)	0.20	U	0.20	0.020	ug/Kg		08/05/21 11:16	08/06/21 18:49	1

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	88		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C2 PFDoA	75		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C2 PFHxA	96		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C2 PFTeDA	75		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C2 PFUnA	79		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C3 PFBS	96		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C4 PFBA	88		25 - 150	08/05/21 11:16	08/06/21 18:49	1
13C4 PFHpA	95		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C4 PFOA	96		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C4 PFOS	91		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C5 PFNA	95		50 - 150	08/05/21 11:16	08/06/21 18:49	1
13C5 PFPeA	95		25 - 150	08/05/21 11:16	08/06/21 18:49	1
13C8 FOSA	84		25 - 150	08/05/21 11:16	08/06/21 18:49	1
18O2 PFHxS	92		50 - 150	08/05/21 11:16	08/06/21 18:49	1
d3-NMeFOSAA	91		50 - 150	08/05/21 11:16	08/06/21 18:49	1
d5-NEtFOSAA	79		50 - 150	08/05/21 11:16	08/06/21 18:49	1
M2-6:2 FTS	103		25 - 150	08/05/21 11:16	08/06/21 18:49	1
M2-8:2 FTS	90		25 - 150	08/05/21 11:16	08/06/21 18:49	1

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169877/2-A
Matrix: Solid
Analysis Batch: 169943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	1.94	J	ug/Kg		101	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.84	J	ug/Kg		97	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.00	2.02		ug/Kg		101	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.00	2.06		ug/Kg		103	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.64		ug/Kg		93	70 - 130
Perfluorobutanoic acid (PFBA)	2.00	2.21		ug/Kg		110	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.69		ug/Kg		88	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	2.01		ug/Kg		100	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	1.91		ug/Kg		95	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.97		ug/Kg		103	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	1.93		ug/Kg		96	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.74		ug/Kg		95	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	1.90		ug/Kg		95	70 - 130
Perfluorononanoic acid (PFNA)	2.00	2.02		ug/Kg		101	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	2.02		ug/Kg		101	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	1.71		ug/Kg		92	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	1.96		ug/Kg		98	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	1.94		ug/Kg		97	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	2.04		ug/Kg		102	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	1.83		ug/Kg		92	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	2.03		ug/Kg		101	70 - 130

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C2 PFDA	86		50 - 150
13C2 PFDoA	80		50 - 150
13C2 PFHxA	99		50 - 150
13C2 PFTeDA	76		50 - 150
13C2 PFUnA	83		50 - 150
13C3 PFBS	100		50 - 150
13C4 PFBA	87		25 - 150
13C4 PFHpA	93		50 - 150
13C4 PFOA	94		50 - 150
13C4 PFOS	91		50 - 150
13C5 PFNA	91		50 - 150
13C5 PFPeA	95		25 - 150
13C8 FOSA	84		25 - 150
18O2 PFHxS	95		50 - 150
d3-NMeFOSAA	84		50 - 150

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-169877/2-A
Matrix: Solid
Analysis Batch: 169943

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 169877

<i>Isotope Dilution</i>	<i>LCS LCS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
<i>d5-NEtFOSAA</i>	88		50 - 150
<i>M2-6:2 FTS</i>	92		25 - 150
<i>M2-8:2 FTS</i>	87		25 - 150

Lab Sample ID: 480-187922-30 MS
Matrix: Solid
Analysis Batch: 169943

Client Sample ID: B-21-110(0-1)(08032021)
Prep Type: Total/NA
Prep Batch: 169877

<i>Analyte</i>	<i>Sample Sample</i>		<i>Spike Added</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>Limits</i>
	<i>Result</i>	<i>Qualifier</i>		<i>Result</i>	<i>Qualifier</i>				
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.4	U	2.35	2.33	J	ug/Kg	☼	99	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.4	U	2.33	2.43	J	ug/Kg	☼	104	70 - 130
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.4	U	2.46	2.90		ug/Kg	☼	118	70 - 130
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.4	U	2.46	2.36	J	ug/Kg	☼	96	70 - 130
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.17	2.22		ug/Kg	☼	102	70 - 130
Perfluorobutanoic acid (PFBA)	0.44	J	2.46	3.00		ug/Kg	☼	104	70 - 130
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.37	2.12		ug/Kg	☼	89	70 - 130
Perfluorodecanoic acid (PFDA)	0.24	U	2.46	2.47		ug/Kg	☼	101	70 - 130
Perfluorododecanoic acid (PFDoA)	0.24	U	2.46	2.45		ug/Kg	☼	100	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	0.24	U	2.34	2.26		ug/Kg	☼	97	70 - 130
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.46	2.43		ug/Kg	☼	99	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.24	2.14		ug/Kg	☼	96	70 - 130
Perfluorohexanoic acid (PFHxA)	0.24	U	2.46	2.58		ug/Kg	☼	105	70 - 130
Perfluorononanoic acid (PFNA)	0.027	J	2.46	2.54		ug/Kg	☼	102	70 - 130
Perfluorooctanesulfonamide (PFOSA)	0.24	U	2.46	2.42		ug/Kg	☼	99	70 - 130
Perfluorooctanesulfonic acid (PFOS)	0.029	J I	2.28	2.10		ug/Kg	☼	91	70 - 130
Perfluorooctanoic acid (PFOA)	0.032	J	2.46	2.47		ug/Kg	☼	99	70 - 130
Perfluoropentanoic acid (PFPeA)	0.24	U	2.46	2.43		ug/Kg	☼	99	70 - 130
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.46	2.46		ug/Kg	☼	100	70 - 130
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.46	2.44		ug/Kg	☼	99	70 - 130
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.46	2.68		ug/Kg	☼	109	70 - 130

<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
<i>13C2 PFDA</i>	78		50 - 150
<i>13C2 PFDoA</i>	72		50 - 150
<i>13C2 PFHxA</i>	75		50 - 150
<i>13C2 PFTeDA</i>	76		50 - 150
<i>13C2 PFUnA</i>	71		50 - 150
<i>13C3 PFBS</i>	69		50 - 150

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-187922-30 MS

Matrix: Solid

Analysis Batch: 169943

Client Sample ID: B-21-110(0-1)(08032021)

Prep Type: Total/NA

Prep Batch: 169877

<i>Isotope Dilution</i>	<i>MS %Recovery</i>	<i>MS Qualifier</i>	<i>Limits</i>
13C4 PFBA	73		25 - 150
13C4 PFHpA	77		50 - 150
13C4 PFOA	76		50 - 150
13C4 PFOS	72		50 - 150
13C5 PFNA	76		50 - 150
13C5 PFPeA	78		25 - 150
13C8 FOSA	71		25 - 150
18O2 PFHxS	70		50 - 150
d3-NMeFOSAA	68		50 - 150
d5-NEtFOSAA	64		50 - 150
M2-6:2 FTS	62		25 - 150
M2-8:2 FTS	67		25 - 150

Lab Sample ID: 480-187922-30 MSD

Matrix: Solid

Analysis Batch: 169943

Client Sample ID: B-21-110(0-1)(08032021)

Prep Type: Total/NA

Prep Batch: 169877

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.4	U	2.33	2.33	J	ug/Kg	*	100	70 - 130	0	20
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	2.4	U	2.31	2.16	J	ug/Kg	*	94	70 - 130	12	20
N-ethylperfluorooctanesulfonamide doacetic acid (NEtFOSAA)	2.4	U	2.43	2.42		ug/Kg	*	100	70 - 130	18	20
N-methylperfluorooctanesulfonamide doacetic acid (NMeFOSAA)	2.4	U	2.43	2.30	J	ug/Kg	*	95	70 - 130	3	20
Perfluorobutanesulfonic acid (PFBS)	0.24	U	2.15	2.09		ug/Kg	*	97	70 - 130	6	20
Perfluorobutanoic acid (PFBA)	0.44	J	2.43	3.14		ug/Kg	*	111	70 - 130	5	20
Perfluorodecanesulfonic acid (PFDS)	0.24	U	2.35	2.22		ug/Kg	*	95	70 - 130	5	20
Perfluorodecanoic acid (PFDA)	0.24	U	2.43	2.27		ug/Kg	*	93	70 - 130	9	20
Perfluorododecanoic acid (PFDoA)	0.24	U	2.43	2.32		ug/Kg	*	95	70 - 130	5	20
Perfluoroheptanesulfonic Acid (PFHpS)	0.24	U	2.32	2.21		ug/Kg	*	95	70 - 130	2	20
Perfluoroheptanoic acid (PFHpA)	0.24	U	2.43	2.44		ug/Kg	*	100	70 - 130	0	20
Perfluorohexanesulfonic acid (PFHxS)	0.24	U	2.21	2.18		ug/Kg	*	98	70 - 130	2	20
Perfluorohexanoic acid (PFHxA)	0.24	U	2.43	2.52		ug/Kg	*	104	70 - 130	2	20
Perfluorononanoic acid (PFNA)	0.027	J	2.43	2.41		ug/Kg	*	98	70 - 130	5	20
Perfluorooctanesulfonamide (PFOSA)	0.24	U	2.43	2.45		ug/Kg	*	101	70 - 130	1	20
Perfluorooctanesulfonic acid (PFOS)	0.029	J I	2.26	2.17	I	ug/Kg	*	95	70 - 130	3	20
Perfluorooctanoic acid (PFOA)	0.032	J	2.43	2.39		ug/Kg	*	97	70 - 130	3	20
Perfluoropentanoic acid (PFPeA)	0.24	U	2.43	2.33		ug/Kg	*	96	70 - 130	4	20
Perfluorotetradecanoic acid (PFTeA)	0.24	U	2.43	2.48		ug/Kg	*	102	70 - 130	1	20
Perfluorotridecanoic acid (PFTriA)	0.24	U	2.43	2.33		ug/Kg	*	96	70 - 130	4	20

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 480-187922-30 MSD

Client Sample ID: B-21-110(0-1)(08032021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 169943

Prep Batch: 169877

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluoroundecanoic acid (PFUnA)	0.24	U	2.43	2.45		ug/Kg	✱	101	70 - 130	9	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
13C2 PFDA	78		50 - 150								
13C2 PFDoA	78		50 - 150								
13C2 PFHxA	76		50 - 150								
13C2 PFTeDA	74		50 - 150								
13C2 PFUnA	75		50 - 150								
13C3 PFBS	69		50 - 150								
13C4 PFBA	71		25 - 150								
13C4 PFHpA	75		50 - 150								
13C4 PFOA	79		50 - 150								
13C4 PFOS	67		50 - 150								
13C5 PFNA	76		50 - 150								
13C5 PFPeA	79		25 - 150								
13C8 FOSA	69		25 - 150								
18O2 PFHxS	67		50 - 150								
d3-NMeFOSAA	68		50 - 150								
d5-NEtFOSAA	71		50 - 150								
M2-6:2 FTS	62		25 - 150								
M2-8:2 FTS	62		25 - 150								

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-592029/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592294

Prep Batch: 592029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9.5	U	9.5	4.2	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Antimony	14.3	U	14.3	0.38	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Arsenic	1.9	U	1.9	0.38	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Barium	0.157	J	0.48	0.10	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Beryllium	0.19	U	0.19	0.027	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Cadmium	0.19	U	0.19	0.029	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Calcium	4.56	J	47.6	3.1	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Chromium	0.48	U	0.48	0.19	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Cobalt	0.48	U	0.48	0.048	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Copper	0.95	U	0.95	0.20	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Iron	9.5	U	9.5	3.3	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Lead	0.95	U	0.95	0.23	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Magnesium	19.0	U	19.0	0.88	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Manganese	0.19	U	0.19	0.030	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Nickel	4.8	U	4.8	0.22	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Potassium	28.5	U	28.5	19.0	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Selenium	3.8	U	3.8	0.38	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Silver	0.57	U	0.57	0.19	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Sodium	133	U	133	12.4	mg/Kg		08/06/21 12:44	08/09/21 22:58	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: MB 480-592029/1-A
Matrix: Solid
Analysis Batch: 592294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592029

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	5.7	U	5.7	0.29	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Vanadium	0.107	J	0.48	0.10	mg/Kg		08/06/21 12:44	08/09/21 22:58	1
Zinc	1.9	U	1.9	0.61	mg/Kg		08/06/21 12:44	08/09/21 22:58	1

Lab Sample ID: LCSSRM 480-592029/2-A
Matrix: Solid
Analysis Batch: 592294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592029

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	Limits
Aluminum	8190	8304		mg/Kg		101.4	50.1 - 150.2
Antimony	110	80.73		mg/Kg		73.4	22.2 - 254.5
Arsenic	162	136.2		mg/Kg		84.1	70.4 - 130.2
Barium	138	130.1		mg/Kg		94.3	74.6 - 124.6
Beryllium	157	153.1		mg/Kg		97.5	75.2 - 125.5
Cadmium	135	126.8		mg/Kg		93.9	74.8 - 124.4
Calcium	4790	4126		mg/Kg		86.1	72.7 - 127.3
Chromium	117	113.2		mg/Kg		96.7	70.1 - 129.9
Cobalt	92.6	96.15		mg/Kg		103.8	75.1 - 125.3
Copper	143	118.9		mg/Kg		83.2	74.8 - 124.5
Iron	15100	12740		mg/Kg		84.3	37.2 - 162.9
Lead	77.6	70.75		mg/Kg		91.2	68.8 - 131.4
Magnesium	2320	2176		mg/Kg		93.8	62.1 - 137.9
Manganese	319	298.5		mg/Kg		93.6	74.9 - 125.1
Nickel	79.9	84.71		mg/Kg		106.0	70.0 - 130.2
Potassium	2050	1972		mg/Kg		96.2	59.5 - 141.0
Selenium	172	154.1		mg/Kg		89.6	68.0 - 132.6
Silver	24.7	19.39		mg/Kg		78.5	67.2 - 133.2
Sodium	137	146.4	J	mg/Kg		106.9	35.8 - 164.2
Thallium	88.0	91.84		mg/Kg		104.4	66.0 - 134.1
Vanadium	99.9	93.40		mg/Kg		93.5	67.4 - 132.1
Zinc	312	275.2		mg/Kg		88.2	69.9 - 129.8

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-592203/1-A
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0047	mg/Kg		08/09/21 15:01	08/09/21 16:45	1

Lab Sample ID: LCSSRM 480-592203/2-A ^10
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592203

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	23.69		mg/Kg		87.1	59.9 - 140.1

Lab Sample ID: 480-187922-18 MS
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 592203

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0079	J	0.355	0.374		mg/Kg	⊛	103	80 - 120

Lab Sample ID: 480-187922-18 MSD
Matrix: Solid
Analysis Batch: 592249

Client Sample ID: B-21-116(5-6)(08032021)
Prep Type: Total/NA
Prep Batch: 592203

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0079	J	0.338	0.355		mg/Kg	⊛	102	80 - 120	5	20

Method: Lloyd Kahn - Organic Carbon, Total (TOC)

Lab Sample ID: MB 200-170023/31
Matrix: Solid
Analysis Batch: 170023

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	1000	U	1000	671	mg/Kg			08/09/21 15:36	1

Lab Sample ID: LCS 200-170023/32
Matrix: Solid
Analysis Batch: 170023

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Organic Carbon	8300	7528		mg/Kg		91	75 - 125

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

GC/MS VOA

Prep Batch: 591949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-17	B-21-116(3-4)(08032021)	Total/NA	Solid	5035A_L	
480-187922-19	B-21-116(8-9)(08032021)	Total/NA	Solid	5035A_L	
480-187922-21	B-21-113(1-2)(08032021)	Total/NA	Solid	5035A_L	
480-187922-24	B-21-113(8-9)(08032021)	Total/NA	Solid	5035A_L	
480-187922-25	B-21-113(10-11)(08032021)	Total/NA	Solid	5035A_L	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	5035A_L	
480-187922-27	B-21-120(2-3)(08032021)	Total/NA	Solid	5035A_L	
480-187922-29	B-21-120(6-7)(08032021)	Total/NA	Solid	5035A_L	
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	5035A_L	
MB 480-591949/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591949/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 591954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-17	B-21-116(3-4)(08032021)	Total/NA	Solid	8260C	591949
480-187922-19	B-21-116(8-9)(08032021)	Total/NA	Solid	8260C	591949
480-187922-21	B-21-113(1-2)(08032021)	Total/NA	Solid	8260C	591949
480-187922-24	B-21-113(8-9)(08032021)	Total/NA	Solid	8260C	591949
480-187922-25	B-21-113(10-11)(08032021)	Total/NA	Solid	8260C	591949
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8260C	591949
480-187922-27	B-21-120(2-3)(08032021)	Total/NA	Solid	8260C	591949
480-187922-29	B-21-120(6-7)(08032021)	Total/NA	Solid	8260C	591949
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	8260C	591949
MB 480-591949/2-A	Method Blank	Total/NA	Solid	8260C	591949
LCS 480-591949/1-A	Lab Control Sample	Total/NA	Solid	8260C	591949

Prep Batch: 591956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-1	B-21-128(0-1)(08022021)	Total/NA	Solid	5035A_L	
480-187922-3	B-21-128(2-3)(08022021)	Total/NA	Solid	5035A_L	
480-187922-4	B-21-128(6-7)(08022021)	Total/NA	Solid	5035A_L	
480-187922-7	B-21-129(2-3)(08022021)	Total/NA	Solid	5035A_L	
480-187922-9	B-21-129(4-5)(08022021)	Total/NA	Solid	5035A_L	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	5035A_L	
480-187922-13	B-21-123(2-3)(08022021)	Total/NA	Solid	5035A_L	
480-187922-14	B-21-123(7-8)(08022021)	Total/NA	Solid	5035A_L	
480-187922-15	B-21-123(8-9)(08022021)	Total/NA	Solid	5035A_L	
480-187922-16	B-21-116(1-2)(08032021)	Total/NA	Solid	5035A_L	
MB 480-591956/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591956/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 591957

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-1	B-21-128(0-1)(08022021)	Total/NA	Solid	8260C	591956
480-187922-3	B-21-128(2-3)(08022021)	Total/NA	Solid	8260C	591956
480-187922-4	B-21-128(6-7)(08022021)	Total/NA	Solid	8260C	591956
480-187922-7	B-21-129(2-3)(08022021)	Total/NA	Solid	8260C	591956
480-187922-9	B-21-129(4-5)(08022021)	Total/NA	Solid	8260C	591956
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8260C	591956
480-187922-13	B-21-123(2-3)(08022021)	Total/NA	Solid	8260C	591956
480-187922-14	B-21-123(7-8)(08022021)	Total/NA	Solid	8260C	591956

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

GC/MS VOA (Continued)

Analysis Batch: 591957 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-15	B-21-123(8-9)(08022021)	Total/NA	Solid	8260C	591956
480-187922-16	B-21-116(1-2)(08032021)	Total/NA	Solid	8260C	591956
MB 480-591956/2-A	Method Blank	Total/NA	Solid	8260C	591956
LCS 480-591956/1-A	Lab Control Sample	Total/NA	Solid	8260C	591956

GC/MS Semi VOA

Prep Batch: 591800

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	3550C	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	3550C	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	3550C	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	3550C	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	3550C	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	3550C	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	3550C	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	3550C	
MB 480-591800/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591800/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187922-11 MS	B-21-123(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-11 MSD	B-21-123(1-2)(08022021)	Total/NA	Solid	3550C	

Analysis Batch: 592166

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	8270D	591800
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	8270D	591800
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	8270D	591800
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8270D	591800
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	8270D	591800
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	8270D	591800
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	8270D	591800
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	8270D	591800
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	8270D	591800
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8270D	591800
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	8270D	591800
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	8270D	591800
MB 480-591800/1-A	Method Blank	Total/NA	Solid	8270D	591800
LCS 480-591800/2-A	Lab Control Sample	Total/NA	Solid	8270D	591800
480-187922-11 MS	B-21-123(1-2)(08022021)	Total/NA	Solid	8270D	591800
480-187922-11 MSD	B-21-123(1-2)(08022021)	Total/NA	Solid	8270D	591800

GC Semi VOA

Prep Batch: 591986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	3550C	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	3550C	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

GC Semi VOA (Continued)

Prep Batch: 591986 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	3550C	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	3550C	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	3550C	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	3550C	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	3550C	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	3550C	
MB 480-591986/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591986/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	3550C	
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	3550C	

Prep Batch: 591991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	3550C	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	3550C	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	3550C	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	3550C	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	3550C	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	3550C	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	3550C	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	3550C	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	3550C	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	3550C	
MB 480-591991/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591991/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187922-8 MS	B-21-129(6-7)(08022021)	Total/NA	Solid	3550C	
480-187922-8 MSD	B-21-129(6-7)(08022021)	Total/NA	Solid	3550C	

Analysis Batch: 592120

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	8082A	591991
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	8082A	591991
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	8082A	591991
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8082A	591991
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	8082A	591991
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	8082A	591991
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	8082A	591991
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	8082A	591991
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	8082A	591991
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8082A	591991
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	8082A	591991
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	8082A	591991
MB 480-591991/1-A	Method Blank	Total/NA	Solid	8082A	591991
LCS 480-591991/2-A	Lab Control Sample	Total/NA	Solid	8082A	591991
480-187922-8 MS	B-21-129(6-7)(08022021)	Total/NA	Solid	8082A	591991
480-187922-8 MSD	B-21-129(6-7)(08022021)	Total/NA	Solid	8082A	591991

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

GC Semi VOA

Analysis Batch: 592134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	8081B	591986
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	8081B	591986
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	8081B	591986
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8081B	591986
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	8081B	591986
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	8081B	591986
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	8081B	591986
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	8081B	591986
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	8081B	591986
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8081B	591986
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	8081B	591986
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	8081B	591986
MB 480-591986/1-A	Method Blank	Total/NA	Solid	8081B	591986
LCS 480-591986/2-A	Lab Control Sample	Total/NA	Solid	8081B	591986
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	8081B	591986
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	8081B	591986

Prep Batch: 592261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	8151A	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	8151A	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	8151A	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8151A	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	8151A	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	8151A	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	8151A	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	8151A	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8151A	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	8151A	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	8151A	
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	

Analysis Batch: 592675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	8151A	592261
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	8151A	592261
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	8151A	592261
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	8151A	592261
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	8151A	592261
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	8151A	592261
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	592261
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	8151A	592261
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	8151A	592261
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	8151A	592261
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	8151A	592261
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	8151A	592261
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	592261

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

GC Semi VOA (Continued)

Analysis Batch: 592675 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	592261
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	592261
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	8151A	592261

LCMS

Prep Batch: 169877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-6	B-21-129(0-1)(08022021)	Total/NA	Solid	SHAKE	
480-187922-20	B-21-113(0-1)(08032021)	Total/NA	Solid	SHAKE	
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	SHAKE	
MB 200-169877/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-169877/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	
480-187922-30 MS	B-21-110(0-1)(08032021)	Total/NA	Solid	SHAKE	
480-187922-30 MSD	B-21-110(0-1)(08032021)	Total/NA	Solid	SHAKE	

Analysis Batch: 169943

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-6	B-21-129(0-1)(08022021)	Total/NA	Solid	537 (modified)	169877
480-187922-20	B-21-113(0-1)(08032021)	Total/NA	Solid	537 (modified)	169877
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	537 (modified)	169877
MB 200-169877/1-A	Method Blank	Total/NA	Solid	537 (modified)	169877
LCS 200-169877/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	169877
480-187922-30 MS	B-21-110(0-1)(08032021)	Total/NA	Solid	537 (modified)	169877
480-187922-30 MSD	B-21-110(0-1)(08032021)	Total/NA	Solid	537 (modified)	169877

Metals

Prep Batch: 592029

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	3050B	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	3050B	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	3050B	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	3050B	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	3050B	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	3050B	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	3050B	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	3050B	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	3050B	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	3050B	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	3050B	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	3050B	
MB 480-592029/1-A	Method Blank	Total/NA	Solid	3050B	
LCS SRM 480-592029/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 592203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	7471B	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	7471B	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	7471B	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	7471B	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	7471B	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Metals (Continued)

Prep Batch: 592203 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	7471B	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	7471B	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	7471B	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	7471B	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	7471B	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	7471B	
MB 480-592203/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-592203/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	

Analysis Batch: 592249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	7471B	592203
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	7471B	592203
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	7471B	592203
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	7471B	592203
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	7471B	592203
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	7471B	592203
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	592203
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	7471B	592203
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	7471B	592203
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	7471B	592203
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	7471B	592203
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	7471B	592203
MB 480-592203/1-A	Method Blank	Total/NA	Solid	7471B	592203
LCSSRM 480-592203/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	592203
480-187922-18 MS	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	592203
480-187922-18 MSD	B-21-116(5-6)(08032021)	Total/NA	Solid	7471B	592203

Analysis Batch: 592294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	6010C	592029
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	6010C	592029
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	6010C	592029
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	6010C	592029
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	6010C	592029
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	6010C	592029
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	6010C	592029
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	6010C	592029
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	6010C	592029
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	6010C	592029
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	6010C	592029
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	6010C	592029
MB 480-592029/1-A	Method Blank	Total/NA	Solid	6010C	592029
LCSSRM 480-592029/2-A	Lab Control Sample	Total/NA	Solid	6010C	592029

Analysis Batch: 592476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	6010C	592029

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Metals (Continued)

Analysis Batch: 592476 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	6010C	592029
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	6010C	592029
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	6010C	592029
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	6010C	592029
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	6010C	592029
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	6010C	592029
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	6010C	592029
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	6010C	592029

Analysis Batch: 592641

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	6010C	592029

General Chemistry

Analysis Batch: 169852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-6	B-21-129(0-1)(08022021)	Total/NA	Solid	Moisture	
480-187922-20	B-21-113(0-1)(08032021)	Total/NA	Solid	Moisture	

Analysis Batch: 170023

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-6	B-21-129(0-1)(08022021)	Total/NA	Solid	Lloyd Kahn	
480-187922-20	B-21-113(0-1)(08032021)	Total/NA	Solid	Lloyd Kahn	
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	Lloyd Kahn	
MB 200-170023/31	Method Blank	Total/NA	Solid	Lloyd Kahn	
LCS 200-170023/32	Lab Control Sample	Total/NA	Solid	Lloyd Kahn	

Analysis Batch: 591751

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-2	B-21-128(1-2)(08022021)	Total/NA	Solid	Moisture	
480-187922-5	B-21-128(9-10)(08022021)	Total/NA	Solid	Moisture	
480-187922-8	B-21-129(6-7)(08022021)	Total/NA	Solid	Moisture	
480-187922-10	B-21-129(8-9)(08022021)	Total/NA	Solid	Moisture	
480-187922-11	B-21-123(1-2)(08022021)	Total/NA	Solid	Moisture	
480-187922-12	B-21-123(4-5)(08022021)	Total/NA	Solid	Moisture	
480-187922-18	B-21-116(5-6)(08032021)	Total/NA	Solid	Moisture	
480-187922-22	B-21-113(4-5)(08032021)	Total/NA	Solid	Moisture	
480-187922-23	B-21-113(6-7)(08032021)	Total/NA	Solid	Moisture	
480-187922-26	B-21-120(0-1)(08032021)	Total/NA	Solid	Moisture	
480-187922-28	B-21-120(4-5)(08032021)	Total/NA	Solid	Moisture	
480-187922-31	B-21-116(7-8)(08032021)	Total/NA	Solid	Moisture	

Analysis Batch: 592255

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-1	B-21-128(0-1)(08022021)	Total/NA	Solid	Moisture	
480-187922-3	B-21-128(2-3)(08022021)	Total/NA	Solid	Moisture	
480-187922-4	B-21-128(6-7)(08022021)	Total/NA	Solid	Moisture	
480-187922-7	B-21-129(2-3)(08022021)	Total/NA	Solid	Moisture	
480-187922-9	B-21-129(4-5)(08022021)	Total/NA	Solid	Moisture	
480-187922-13	B-21-123(2-3)(08022021)	Total/NA	Solid	Moisture	

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

General Chemistry (Continued)

Analysis Batch: 592255 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-14	B-21-123(7-8)(08022021)	Total/NA	Solid	Moisture	
480-187922-15	B-21-123(8-9)(08022021)	Total/NA	Solid	Moisture	
480-187922-16	B-21-116(1-2)(08032021)	Total/NA	Solid	Moisture	
480-187922-17	B-21-116(3-4)(08032021)	Total/NA	Solid	Moisture	
480-187922-21	B-21-113(1-2)(08032021)	Total/NA	Solid	Moisture	
480-187922-24	B-21-113(8-9)(08032021)	Total/NA	Solid	Moisture	
480-187922-25	B-21-113(10-11)(08032021)	Total/NA	Solid	Moisture	
480-187922-27	B-21-120(2-3)(08032021)	Total/NA	Solid	Moisture	
480-187922-29	B-21-120(6-7)(08032021)	Total/NA	Solid	Moisture	

Analysis Batch: 592567

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187922-19	B-21-116(8-9)(08032021)	Total/NA	Solid	Moisture	
480-187922-30	B-21-110(0-1)(08032021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(0-1)(08022021)

Lab Sample ID: 480-187922-1

Date Collected: 08/02/21 10:20

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-128(0-1)(08022021)

Lab Sample ID: 480-187922-1

Date Collected: 08/02/21 10:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 01:13	WJD	TAL BUF

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-128(1-2)(08022021)

Lab Sample ID: 480-187922-2

Date Collected: 08/02/21 10:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 17:31	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 11:57	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 02:20	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 17:32	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:31	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:10	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:48	BMB	TAL BUF

Client Sample ID: B-21-128(2-3)(08022021)

Lab Sample ID: 480-187922-3

Date Collected: 08/02/21 10:40

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-128(2-3)(08022021)

Lab Sample ID: 480-187922-3

Date Collected: 08/02/21 10:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 01:37	WJD	TAL BUF

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Date Collected: 08/02/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-128(6-7)(08022021)

Lab Sample ID: 480-187922-4

Date Collected: 08/02/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 02:02	WJD	TAL BUF

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-128(9-10)(08022021)

Lab Sample ID: 480-187922-5

Date Collected: 08/02/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 17:55	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 17:10	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 02:33	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 18:01	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:14	AMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592641	08/11/21 23:00	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:49	BMB	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(0-1)(08022021)

Lab Sample ID: 480-187922-6

Date Collected: 08/02/21 13:15

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	170023	08/09/21 17:10	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	169852	08/04/21 18:29	LEE	TAL BUR

Client Sample ID: B-21-129(0-1)(08022021)

Lab Sample ID: 480-187922-6

Date Collected: 08/02/21 13:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169877	08/05/21 11:16	EK	TAL BUR
Total/NA	Analysis	537 (modified)		1	169943	08/06/21 19:05	ND	TAL BUR

Client Sample ID: B-21-129(2-3)(08022021)

Lab Sample ID: 480-187922-7

Date Collected: 08/02/21 13:30

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-129(2-3)(08022021)

Lab Sample ID: 480-187922-7

Date Collected: 08/02/21 13:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 02:26	WJD	TAL BUF

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 18:19	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 12:37	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 02:07	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 18:31	RJS	TAL BUF

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Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(6-7)(08022021)

Lab Sample ID: 480-187922-8

Date Collected: 08/02/21 13:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:35	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:17	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:50	BMB	TAL BUF

Client Sample ID: B-21-129(4-5)(08022021)

Lab Sample ID: 480-187922-9

Date Collected: 08/02/21 14:00

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-129(4-5)(08022021)

Lab Sample ID: 480-187922-9

Date Collected: 08/02/21 14:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 02:50	WJD	TAL BUF

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 03:14	WJD	TAL BUF
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 18:43	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 12:56	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 02:46	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 19:01	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:39	LMH	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-129(8-9)(08022021)

Lab Sample ID: 480-187922-10

Date Collected: 08/02/21 14:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:21	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:52	BMB	TAL BUF

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-123(1-2)(08022021)

Lab Sample ID: 480-187922-11

Date Collected: 08/02/21 15:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 17:07	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 13:16	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 02:58	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 19:30	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:42	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:25	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:53	BMB	TAL BUF

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 19:07	JMM	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(4-5)(08022021)

Lab Sample ID: 480-187922-12

Date Collected: 08/02/21 15:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 13:35	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 03:11	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 20:00	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:28	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:54	BMB	TAL BUF

Client Sample ID: B-21-123(2-3)(08022021)

Lab Sample ID: 480-187922-13

Date Collected: 08/02/21 15:20

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-123(2-3)(08022021)

Lab Sample ID: 480-187922-13

Date Collected: 08/02/21 15:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 03:37	WJD	TAL BUF

Client Sample ID: B-21-123(7-8)(08022021)

Lab Sample ID: 480-187922-14

Date Collected: 08/02/21 15:30

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-123(7-8)(08022021)

Lab Sample ID: 480-187922-14

Date Collected: 08/02/21 15:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 04:01	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-123(8-9)(08022021)

Lab Sample ID: 480-187922-15

Date Collected: 08/02/21 15:40

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-123(8-9)(08022021)

Lab Sample ID: 480-187922-15

Date Collected: 08/02/21 15:40

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 04:25	WJD	TAL BUF

Client Sample ID: B-21-116(1-2)(08032021)

Lab Sample ID: 480-187922-16

Date Collected: 08/03/21 07:30

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-116(1-2)(08032021)

Lab Sample ID: 480-187922-16

Date Collected: 08/03/21 07:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591956	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591957	08/06/21 04:49	WJD	TAL BUF

Client Sample ID: B-21-116(3-4)(08032021)

Lab Sample ID: 480-187922-17

Date Collected: 08/03/21 07:45

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-116(3-4)(08032021)

Lab Sample ID: 480-187922-17

Date Collected: 08/03/21 07:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/05/21 22:24	WJD	TAL BUF

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-116(5-6)(08032021)

Lab Sample ID: 480-187922-18

Date Collected: 08/03/21 07:55

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 19:32	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 11:38	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 03:24	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 17:02	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:46	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:43	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 16:56	BMB	TAL BUF

Client Sample ID: B-21-116(8-9)(08032021)

Lab Sample ID: 480-187922-19

Date Collected: 08/03/21 08:20

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592567	08/11/21 17:01	IMZ	TAL BUF

Client Sample ID: B-21-116(8-9)(08032021)

Lab Sample ID: 480-187922-19

Date Collected: 08/03/21 08:20

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/05/21 22:48	WJD	TAL BUF

Client Sample ID: B-21-113(0-1)(08032021)

Lab Sample ID: 480-187922-20

Date Collected: 08/03/21 09:00

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	170023	08/09/21 17:14	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	169852	08/04/21 18:29	LEE	TAL BUR

Client Sample ID: B-21-113(0-1)(08032021)

Lab Sample ID: 480-187922-20

Date Collected: 08/03/21 09:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169877	08/05/21 11:16	EK	TAL BUR
Total/NA	Analysis	537 (modified)		1	169943	08/06/21 19:13	ND	TAL BUR

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(1-2)(08032021)

Lab Sample ID: 480-187922-21

Date Collected: 08/03/21 09:15

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-113(1-2)(08032021)

Lab Sample ID: 480-187922-21

Date Collected: 08/03/21 09:15

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/05/21 23:13	WJD	TAL BUF

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-113(4-5)(08032021)

Lab Sample ID: 480-187922-22

Date Collected: 08/03/21 09:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 19:56	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 13:55	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 03:37	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 20:30	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:50	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:47	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:04	BMB	TAL BUF

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-113(6-7)(08032021)

Lab Sample ID: 480-187922-23

Date Collected: 08/03/21 09:30

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 80.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 20:20	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 14:14	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 03:50	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 21:29	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 19:54	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:51	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:05	BMB	TAL BUF

Client Sample ID: B-21-113(8-9)(08032021)

Lab Sample ID: 480-187922-24

Date Collected: 08/03/21 09:45

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-113(8-9)(08032021)

Lab Sample ID: 480-187922-24

Date Collected: 08/03/21 09:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/05/21 23:37	WJD	TAL BUF

Client Sample ID: B-21-113(10-11)(08032021)

Lab Sample ID: 480-187922-25

Date Collected: 08/03/21 09:50

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-113(10-11)(08032021)

Lab Sample ID: 480-187922-25

Date Collected: 08/03/21 09:50

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 00:01	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-120(0-1)(08032021)

Lab Sample ID: 480-187922-26

Date Collected: 08/03/21 11:00

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 87.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 00:26	WJD	TAL BUF
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 20:44	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 14:34	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 04:02	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 21:59	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:55	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:06	BMB	TAL BUF

Client Sample ID: B-21-120(2-3)(08032021)

Lab Sample ID: 480-187922-27

Date Collected: 08/03/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-120(2-3)(08032021)

Lab Sample ID: 480-187922-27

Date Collected: 08/03/21 11:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 00:50	WJD	TAL BUF

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-120(4-5)(08032021)

Lab Sample ID: 480-187922-28

Date Collected: 08/03/21 11:25

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 21:08	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 14:53	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 04:15	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 22:28	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 20:09	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 00:58	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:07	BMB	TAL BUF

Client Sample ID: B-21-120(6-7)(08032021)

Lab Sample ID: 480-187922-29

Date Collected: 08/03/21 11:35

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592255	08/09/21 21:13	WJD	TAL BUF

Client Sample ID: B-21-120(6-7)(08032021)

Lab Sample ID: 480-187922-29

Date Collected: 08/03/21 11:35

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 01:14	WJD	TAL BUF

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Lloyd Kahn		1	170023	08/09/21 17:18	RWM	TAL BUR
Total/NA	Analysis	Moisture		1	592567	08/11/21 17:01	IMZ	TAL BUF

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/04/21 10:50	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 01:39	WJD	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Client Sample ID: B-21-110(0-1)(08032021)

Lab Sample ID: 480-187922-30

Date Collected: 08/03/21 12:45

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			169877	08/05/21 11:16	EK	TAL BUR
Total/NA	Analysis	537 (modified)		1	169943	08/06/21 19:22	ND	TAL BUR

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591751	08/04/21 16:31	IMZ	TAL BUF

Client Sample ID: B-21-116(7-8)(08032021)

Lab Sample ID: 480-187922-31

Date Collected: 08/03/21 08:10

Matrix: Solid

Date Received: 08/04/21 08:00

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591800	08/05/21 08:10	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592166	08/09/21 21:32	JMM	TAL BUF
Total/NA	Prep	3550C			591986	08/06/21 08:09	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592134	08/09/21 15:13	JLS	TAL BUF
Total/NA	Prep	3550C			591991	08/06/21 08:18	VXF	TAL BUF
Total/NA	Analysis	8082A		1	592120	08/09/21 04:28	NC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 22:58	RJS	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592476	08/10/21 20:13	LMH	TAL BUF
Total/NA	Prep	3050B			592029	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592294	08/10/21 01:02	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:09	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)
537 (modified)	SHAKE	Solid	1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)
537 (modified)	SHAKE	Solid	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	SHAKE	Solid	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	SHAKE	Solid	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	SHAKE	Solid	Perfluorobutanoic acid (PFBA)
537 (modified)	SHAKE	Solid	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	SHAKE	Solid	Perfluorodecanoic acid (PFDA)
537 (modified)	SHAKE	Solid	Perfluorododecanoic acid (PFDoA)
537 (modified)	SHAKE	Solid	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	SHAKE	Solid	Perfluoroheptanoic acid (PFHpA)
537 (modified)	SHAKE	Solid	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	SHAKE	Solid	Perfluorohexanoic acid (PFHxA)
537 (modified)	SHAKE	Solid	Perfluorononanoic acid (PFNA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonamide (PFOSA)
537 (modified)	SHAKE	Solid	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	SHAKE	Solid	Perfluorooctanoic acid (PFOA)
537 (modified)	SHAKE	Solid	Perfluoropentanoic acid (PFPeA)
537 (modified)	SHAKE	Solid	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	SHAKE	Solid	Perfluorotridecanoic acid (PFTriA)
537 (modified)	SHAKE	Solid	Perfluoroundecanoic acid (PFUnA)
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Lloyd Kahn	Organic Carbon, Total (TOC)	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUR
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

TAL BUR = Eurofins TestAmerica, Burlington, 530 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187922-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187922-1	B-21-128(0-1)(08022021)	Solid	08/02/21 10:20	08/04/21 08:00
480-187922-2	B-21-128(1-2)(08022021)	Solid	08/02/21 10:30	08/04/21 08:00
480-187922-3	B-21-128(2-3)(08022021)	Solid	08/02/21 10:40	08/04/21 08:00
480-187922-4	B-21-128(6-7)(08022021)	Solid	08/02/21 11:00	08/04/21 08:00
480-187922-5	B-21-128(9-10)(08022021)	Solid	08/02/21 11:10	08/04/21 08:00
480-187922-6	B-21-129(0-1)(08022021)	Solid	08/02/21 13:15	08/04/21 08:00
480-187922-7	B-21-129(2-3)(08022021)	Solid	08/02/21 13:30	08/04/21 08:00
480-187922-8	B-21-129(6-7)(08022021)	Solid	08/02/21 13:40	08/04/21 08:00
480-187922-9	B-21-129(4-5)(08022021)	Solid	08/02/21 14:00	08/04/21 08:00
480-187922-10	B-21-129(8-9)(08022021)	Solid	08/02/21 14:15	08/04/21 08:00
480-187922-11	B-21-123(1-2)(08022021)	Solid	08/02/21 15:00	08/04/21 08:00
480-187922-12	B-21-123(4-5)(08022021)	Solid	08/02/21 15:10	08/04/21 08:00
480-187922-13	B-21-123(2-3)(08022021)	Solid	08/02/21 15:20	08/04/21 08:00
480-187922-14	B-21-123(7-8)(08022021)	Solid	08/02/21 15:30	08/04/21 08:00
480-187922-15	B-21-123(8-9)(08022021)	Solid	08/02/21 15:40	08/04/21 08:00
480-187922-16	B-21-116(1-2)(08032021)	Solid	08/03/21 07:30	08/04/21 08:00
480-187922-17	B-21-116(3-4)(08032021)	Solid	08/03/21 07:45	08/04/21 08:00
480-187922-18	B-21-116(5-6)(08032021)	Solid	08/03/21 07:55	08/04/21 08:00
480-187922-19	B-21-116(8-9)(08032021)	Solid	08/03/21 08:20	08/04/21 08:00
480-187922-20	B-21-113(0-1)(08032021)	Solid	08/03/21 09:00	08/04/21 08:00
480-187922-21	B-21-113(1-2)(08032021)	Solid	08/03/21 09:15	08/04/21 08:00
480-187922-22	B-21-113(4-5)(08032021)	Solid	08/03/21 09:25	08/04/21 08:00
480-187922-23	B-21-113(6-7)(08032021)	Solid	08/03/21 09:30	08/04/21 08:00
480-187922-24	B-21-113(8-9)(08032021)	Solid	08/03/21 09:45	08/04/21 08:00
480-187922-25	B-21-113(10-11)(08032021)	Solid	08/03/21 09:50	08/04/21 08:00
480-187922-26	B-21-120(0-1)(08032021)	Solid	08/03/21 11:00	08/04/21 08:00
480-187922-27	B-21-120(2-3)(08032021)	Solid	08/03/21 11:10	08/04/21 08:00
480-187922-28	B-21-120(4-5)(08032021)	Solid	08/03/21 11:25	08/04/21 08:00
480-187922-29	B-21-120(6-7)(08032021)	Solid	08/03/21 11:35	08/04/21 08:00
480-187922-30	B-21-110(0-1)(08032021)	Solid	08/03/21 12:45	08/04/21 08:00
480-187922-31	B-21-116(7-8)(08032021)	Solid	08/03/21 08:10	08/04/21 08:00



Chain of Custody Record

Client Information

Client Contact: Mr. Robert Sents

Company: ERM-Northeast

Address: 5784 Widewaters Pkwy

City: Dewitt

State, Zip: NY, 13214

Phone: 315-445-2543(Tel)

Email: robert.sents@erm.com

Project Name: *Sanimine Investigation - Owego, NY - Li-Cycle*

Site:

Lab PM: Schove, John R

E-Mail: John.Schove@Eurofinset.com

State of Origin: **#225**

Job #:

Syracuse

COC No: 480-160789-35375.4

Page: 1 of 3

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Analysis Requested

Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + 10 TICs	9012B - Cyanide, Total	6010C, 7471B	8270D - SVOC - 1,4 Dioxane	8082A - TCL PCBs	PFC, PAH - PFAS, Standard List (21 analytes)	Lloyd, Kahn - TOC by Lloyd Kahn	9045D - pH	8081B, 8151A, 8270D	8260C - TCL VOCs + 10 TICs	Special Instructions/Note:
N	N	X	N	N	N	N	N	N	N	N	N	
N	N	X	N	X	N	N	N	N	N	N	N	4
N	N	X	N	X	N	N	N	N	N	N	N	3
N	N	X	N	X	N	N	N	N	N	N	N	4
N	N	X	N	X	N	N	N	N	N	N	N	4
N	N	X	N	X	N	N	N	N	N	N	N	3
N	N	X	N	X	N	N	N	N	N	N	N	2
N	N	X	N	X	N	N	N	N	N	N	N	4
N	N	X	N	X	N	N	N	N	N	N	N	3
N	N	X	N	X	N	N	N	N	N	N	N	4
N	N	X	N	X	N	N	N	N	N	N	N	7
N	N	X	N	X	N	N	N	N	N	N	N	3

Sample Identification

Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=other)
8/12/2021	10:20	G	Solid
8/21-128 (0-1)	10:20	G	Solid
8/21-128 (1-2)	10:30	G	Solid
8/21-128 (2-3)	10:40	G	Solid
8/21-128 (6-7)	11:00	G	Solid
8/21-128 (9-10)	11:10	G	Solid
8/21-129 (0-1)	13:15	G	Solid
8/21-129 (2-3)	13:30	G	Solid
8/21-129 (4-5)	13:40	G	Solid
8/21-129 (8-9)	14:00	G	Solid
8/21-129 (11-12)	14:15	G	Solid
8/21-129 (13-14)	15:00	G	Solid

Possible Hazard Identification

Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Empty Kit Relinquished by: *[Signature]*

Relinquished by: *[Signature]*

Relinquished by: *[Signature]*

Relinquished by: *[Signature]*

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: *ASP Coar B Danner 2003*

Received by: *[Signature]* Date: 8/13/2021 1600

Received by: *[Signature]* Date: 8/31/2021 1600

Received by: *[Signature]* Date: 8/31/2021 0800

Cooler Temperature(s) °C and Other Remarks: 3.4 4.2 2.6 3.1

Client Information		Sampler: <u>K. Popyack</u>		Lab PM: <u>Schove, John R</u>	
Client Contact: <u>Mr. Robert Sents</u>		Phone: <u>315-559-2658</u>		E-Mail: <u>John.Schove@Eurofins.com</u>	
Company: <u>ERM-Northeast</u>		Address: <u>5784 Widewaters Pkwy</u>		City: <u>Dewitt</u>	
State, Zip: <u>NY, 13214</u>		Phone: <u>315-445-2543(Tel)</u>		E-Mail: <u>robert.sents@erm.com</u>	
Project Name: <u>Sammina Investigation - Owego, NY Lt-Cycle</u>		Project #: <u>48023407</u>		SSOW#: <u></u>	
Site: <u></u>		Due Date Requested: <u></u>		TAT Requested (days): <u>Standard</u>	
Compliance Project: <u>Δ Yes Δ No</u>		Purchase Order Requested: <u></u>		PO #: <u></u>	
WO #: <u></u>		Sample Date		Sample Time	
Sample Identification		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=oil, T=tissue, A=air)	
<u>B-21-113 (4-5)(08032021)</u>		<u>G</u>		<u>Water</u>	
<u>B-21-113 (6-7)(08032021)</u>		<u>G</u>		<u>Water</u>	
<u>B-21-113 (8-9)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-113 (10-11)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-120 (0-1)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-120 (2-3)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-120 (4-5)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-120 (6-7)(08032021)</u>		<u>G</u>		<u>Solid</u>	
<u>B-21-110 (0-1)(08032021)</u>		<u>G</u>		<u>Solid</u>	
Possible Hazard Identification		Sample Date		Sample Time	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant		8/13/2021		0925	
Deliverable Requested: I, II, III, IV, Other (specify) <u>IV</u>		8/13/2021		0930	
Empty Kit Relinquished by: <u>Handy</u>		8/13/2021		0945	
Relinquished by: <u>Handy</u>		8/13/2021		0950	
Relinquished by: <u>RE-ty luh</u>		8/13/2021		1100	
Relinquished by: <u>RE-ty luh</u>		8/13/2021		1150	
Relinquished by: <u>RE-ty luh</u>		8/13/2021		1125	
Relinquished by: <u>RE-ty luh</u>		8/13/2021		1135	
Relinquished by: <u>RE-ty luh</u>		8/13/2021		1245	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No.:		Custody Seal No.:	

Chain of Custody Record

PFAS → BUT FROM SYD - R5



480-187922 Chain of Custody

SOC No: 480-160789-35375.4
Page: 1 of 3
Page 4 of 10 - CP

Lab PM: Schove, John R
E-Mail: John.Schove@Eurofins.com
Plate or Jar # **225**

Client Information
Mr. Robert Sents
Company: ERM-Northeast
Address: 5784 Widewaters Pkwy
City: Dewitt
State, Zip: NY, 13214
Phone: 315-445-2543(Tel)
Email: robert.sents@erm.com
Project Name: (RP) Santrina-Investigation-Owego, NY - Li-Cycle
Site:

Due Date Requested:	TAT Requested (days):	Compliance Project:	PO #:	Purchase Order Requested:	VO #:	Project #:	SSOW#:
	Standard					48023407	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Swell, Other, etc.)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TICs	9012B - Cyanide, Total	6010C, 7471B	8270D - SVOC - 1,4 Dioxane	8082A - TCL PCBs	PF ₆ IDA - PFAS, Standard List (21 analytes)	Lloyd Kahn - TOC by Lloyd Kahn	9045D - pH	8081B, 8151A, 8270D	8260C - TCL VOCs + 10 TICs	Total Number of Containers	Special Instructions/Note:
B-21-128(0-1)(08022021)	8/12/2021	1020	G	Solid	N	N	N	X	N	N	N	N	N	N	N	4	
B-21-128(1-2)(08022021)		1030		Solid	N	N	N	X	N	N	N	N	N	N	N	3	
B-21-128(2-3)(08022021)		1040		Solid	N	N	N	X	N	N	N	N	N	N	N	4	
B-21-128(6-7)(08022021)		1100		Solid	N	N	N	X	N	N	N	N	N	N	N	4	
B-21-128(9-10)(08022021)		1110		Solid	N	N	N	X	N	N	N	N	N	N	N	3	
B-21-129(0-1)(08022021)		1315		Solid	N	N	N	X	N	N	N	N	N	N	N	2	
B-21-129(2-3)(08022021)		1330		Solid	N	N	N	X	N	N	N	N	N	N	N	4	
B-21-129(6-7)(08022021)		1340		Solid	N	N	N	X	N	N	N	N	N	N	N	3	
B-21-129(4-5)(08022021)		1400		Solid	N	N	N	X	N	N	N	N	N	N	N	4	
B-21-129(8-9)(08022021)		1415		Solid	N	N	N	X	N	N	N	N	N	N	N	7	
B-21-123(1-2)(08022021)		1500		Solid	N	N	N	X	N	N	N	N	N	N	N	3	

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *John Schove* Date/Time: 8/13/2021 10:00
 Company: ERM

Relinquished by: *Robert Sents* Date/Time: 8/13/2021 16:00
 Company: ERM

Relinquished by: _____ Date/Time: _____
 Company: _____

Custody Seals Intact: Yes No
Custody Seal No.: _____

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: ASP C03 B DONNERCOC

Method of Shipment: _____

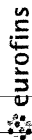
Received by: *John Schove* Date/Time: 8/13/2021 16:00
 Company: ERM

Received by: *Robert Sents* Date/Time: 8/13/2021 11:30
 Company: ERM

Received by: _____ Date/Time: _____
 Company: _____

Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record



Environment Testing
America

Client Information Client Contact: <u>K. Rypceck</u> Mr. Robert Sents Company: ERM-Northeast Address: 5784 Widewaters Pkwy City: Dewitt State, Zip: NY, 13214 Phone: 315-445-2543 (Tel) Email: robert.sents@erm.com Project Name: <u>Sarrnina Investigation - Owego, NY</u> Site: <u>Li-Cycle</u>		Lab PM: Schove, John R E-Mail: John.Schove@Eurofins.com PWSID:	
Due Date Requested: TAT Requested (days): <u>Standard</u> Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: <u>Purchase Order Requested</u> WO #:		State of Origin: <u>Syracuse</u> Job #: <u>#225</u>	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
Sample Identification Sample Date Sample Time Sample Type (C=comp, G=grab) Matrix (Water, Swab, Soil, Tissue, AAU) Preservation Code		Field Filtered Sample (Yes or No) 8260C - TCL VOCs + 10 TICs 6010C, 7471B 8270D - SVOC - 1,4 Dioxane 982A - TCL PCBs PFC, PA - PFA, Standard List (21 analytes) Lloyd, Kahn - TOC by Lloyd Kahn 9045D - PH 8081B, 8151A, 8270D 8260C - TCL VOCs + 10 TICs Total Number of Containers	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant Deliverable Requested: I, II, III, IV, Other (specify) <u>IV</u>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input checked="" type="checkbox"/> Disposal By Lab Special Instructions/QC Requirements: <u>ASP (see 11/1/2021)</u>	
Empty Kit Relinquished by: <u>Robert Sents</u> Date: <u>8/13/2021</u> Relinquished by: <u>Robert Sents</u> Date: <u>8-3-21, 1900</u> Relinquished by: <u>Robert Sents</u> Date: <u>8-3-21, 1900</u>		Method of Shipment: Received by: <u>ERM</u> Date/Time: <u>8/13/2021 1600</u> Received by: <u>ERM</u> Date/Time: <u>8/13/21 1600</u> Received by: <u>ERM</u> Date/Time: <u>8/13/21 1600</u>	
Custody Seal Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks:	

Eurofins TestAmerica, Buffalo

10 Hazelwood Drive
Amherst, NY 14228-2298
Phone: 716-691-2600 Fax: 716-691-7991

Chain of Custody Record

urofins Environment Testing
America



480-187922 Chain of Custody

Client Information (Sub Contract Lab) Shipping/Receiving Company: TestAmerica Laboratories, Inc. Address: 530 Community Drive, Suite 11, City: South Burlington State, Zip: VT, 05403 Phone: 802-660-1990(Tel) 802-660-1919(Fax) Email: Project Name: Sanmina Investigation - Owego, NY Site:		Sampler: Lab PM: Schove, John R Phone: E-Mail: John.Schove@Eurofinset.com State of Origin: New York Page: 1 of 1 Job #: 480-187922-1 No: 65590.1									
Due Date Requested: 8/17/2021 TAT Requested (days): PO #: WO #: Project #: 48023407 SSOW#:		Accreditations Required (See note): NELAP - New York									
Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, P=pesticide)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PG_IDA/Shake_Bath_14D PFAS, Standard List (21)	Lloyd_Kahn/TOC by Lloyd Kahn	Analysis Requested	Special Instructions/Note:	
B-21-129 0-1 8/2/21 (480-187922-6)	8/2/21	13:15 Eastern	Solid		X	X	X	X	M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 L - EDA Other:	1	
B-21-113 0-1 8/3/21 (480-187922-20)	8/3/21	09:00 Eastern	Solid		X	X	X	X			1
B-21-110 0-1 8/3/21 (480-187922-30)	8/3/21	12:45 Eastern	Solid		X	X	X	X			1
Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/test/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins TestAmerica.											
Possible Hazard Identification Unconfirmed Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2 Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Active For _____ Months Special Instructions/QC Requirements:											
Empty Kit Relinquished by: _____ Date: _____ Time: _____ Relinquished by: <i>Amber J Kolb</i> Date/Time: 8/5/21 17:00 Company: <i>TA</i> Relinquished by: _____ Date/Time: _____ Company: _____ Relinquished by: _____ Date/Time: _____ Company: _____ Custody Seals Intact: _____ Cooler Temperature(s) °C and Other Remarks: _____ Δ Yes Δ No											





Environment Testing
TestAmerica



Environment Testing
TestAmerica

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

SHIP DATE: 05AUG21
ACTWGT: 23.70 LB
CAD: 846654/CAFE3409
DIMS: 22x14x11 IN

AMHERST, NY 14228
UNITED STATES US

BILL SENDER

ORIGIN ID:DKKA (716) 691-2600
SAMPLE RECEIPT
EUROFINS TESTAMERICA BUFFALO
10 HAZELWOOD DR

SHIP DATE: 05AUG21
ACTWGT: 47.30 LB
CAD: 846654/CAFE3409
DIMS: 26x15x14 IN

AMHERST, NY 14228
UNITED STATES US

BILL SENDER

TO **SAMPLE MGT.**
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

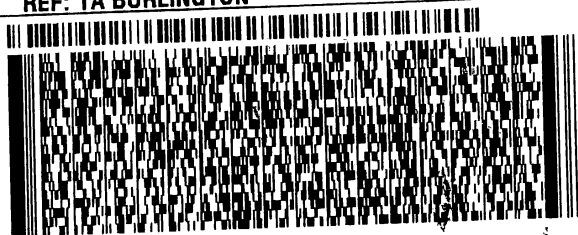
(802) 923-1026

REF: TA BURLINGTON

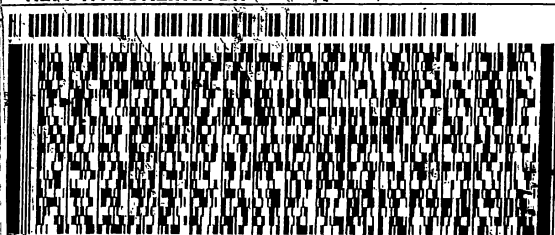
TO **SAMPLE MGT.**
TA BURLINGTON
530 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403

(802) 923-1026

REF: TA BURLINGTON



FedEx
Express



FedEx
Express

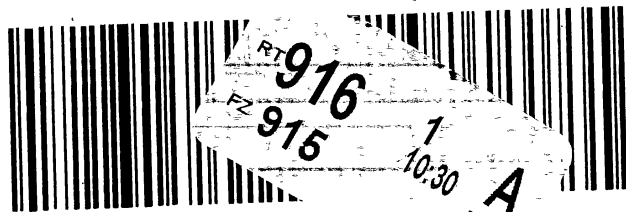


1 of 2
TRK# 1888 3864 7240
0201
MASTER

FRI - 06 AUG 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV

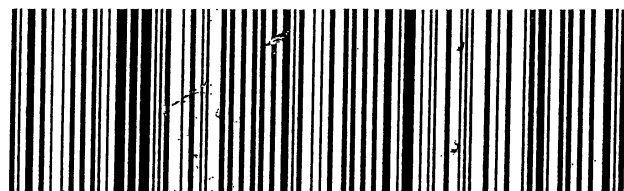


2 of 2
MPS# 1888 3864 7251
0269
Mstr# 1888 3864 7240

FRI - 06 AUG 10:30A
PRIORITY OVERNIGHT

NL BTVA

05403
VT-US BTV



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187922-1

Login Number: 187922

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Stopa, Erik S

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187922-1

Login Number: 187922

List Number: 2

Creator: Sofio, Michael G

List Source: Eurofins TestAmerica, Burlington

List Creation: 08/04/21 03:38 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	1594507
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.2°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-187977-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



*Authorized for release by:
8/19/2021 12:59:20 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovey is outside acceptable limits biased High.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Glossary (Continued)

Abbreviation **These commonly used abbreviations may or may not be present in this report.**

MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Job ID: 480-187977-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-187977-1

Comments

No additional comments.

Receipt

The samples were received on 8/5/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.5° C.

GC/MS VOA

Method 8260C: The continuing calibration verification (CCVIS) associated with batch 480-591954 recovered above the upper control limit for Carbon tetrachloride, 2-Hexanone, Vinyl chloride, Chloroethane, Chloromethane, Dibromochloromethane and trans-1,3-Dichloropropene. The samples associated with this CCVIS were non-detect for the affected analytes; therefore, the data have been reported. The associated samples are: B-21-110 (4-5)(080321) (480-187977-1), B-21-110 (10-11)(080321) (480-187977-4), B-21-103 (2-3)(080321) (480-187977-5), B-21-103 (5-6)(080321) (480-187977-7), B-21-103 (8-9)(080321) (480-187977-8), B-21-102 (1-2)(080421) (480-187977-11), B-21-102 (2-3)(080421) (480-187977-12), B-21-102 (9-10)(080421) (480-187977-14) and B-21-112 (0-1) (080421) (480-187977-15).

Method 8260C: The laboratory control sample (LCS) for preparation batch 480-591949 and analytical batch 480-591954 recovered outside control limits for the following analytes: Chloroethane, Chloromethane and Vinyl chloride. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported. The associated samples are: B-21-110 (4-5) (080321) (480-187977-1), B-21-110 (10-11)(080321) (480-187977-4), B-21-103 (2-3)(080321) (480-187977-5), B-21-103 (5-6)(080321) (480-187977-7), B-21-103 (8-9)(080321) (480-187977-8), B-21-102 (1-2)(080421) (480-187977-11), B-21-102 (2-3)(080421) (480-187977-12), B-21-102 (9-10)(080421) (480-187977-14) and B-21-112 (0-1)(080421) (480-187977-15).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 480-592006 was outside criteria for the following analyte(s): Bis(2-chloroethoxy)methane. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte(s) is considered estimated.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-592443 recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: B-21-112 (6-7)(080421) (480-187977-18).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The method blank for preparation batch 480-592119 and analytical batch 480-592290 contained Total Manganese above the reporting limit (RL). Associated sample(s) B-21-110 (11-12)(080321) (480-187977-3), B-21-103 (4-5)(080321) (480-187977-6), B-21-103 (12-13)(080321) (480-187977-9), B-21-102 (0-1)(080421) (480-187977-10), B-21-102 (5-6)(080421) (480-187977-13), B-21-112 (3-4)(080421) (480-187977-16) and B-21-112 (6-7)(080421) (480-187977-18) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The Serial Dilution (480-187977-A-10-B SD ^5) in batch 480-592290, exhibited results outside the quality control limits for Total Barium and Chromium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method 6010C: The recovery of Post Spike, (480-187977-A-10-B PDS), in batch 480-592290 exhibited results outside the quality control limits for Total Aluminum, Iron, and Manganese. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Job ID: 480-187977-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-21-110 (6-7) (080321) (480-187977-2), B-21-110 (11-12)(080321) (480-187977-3), B-21-103 (12-13)(080321) (480-187977-9), B-21-102 (0-1)(080421) (480-187977-10), B-21-102 (5-6)(080421) (480-187977-13), B-21-112 (3-4)(080421) (480-187977-16), B-21-112 (6-7)(080421) (480-187977-18), (480-187977-A-10-C MS ^2), (480-187977-A-10-D MSD ^2), (480-187977-A-10-B PDS ^2) and (480-187977-A-10-B SD ^10). Elevated reporting limits (RLs) are provided.

Method 6010C: The serial dilution (480-187977-A-10-B SD ^10) associated with batch 480-592477, exhibited a result outside the quality control limits for Total Calcium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following sample required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: B-21-112 (3-4) (080421) (480-187977-16).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.



Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (4-5)(080321)

Lab Sample ID: 480-187977-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	250		21	1.6	ug/Kg	1	✳	8260C	Total/NA
Acetone	93		21	3.6	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-110 (6-7)(080321)

Lab Sample ID: 480-187977-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.43	J	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.60	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.58	J	2.0	0.49	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.59	J B	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	1.0	J	2.0	0.63	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8380		11.9	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.2		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	16.0		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.50		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	142000	B	119	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	10.4		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.1		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	7.7		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	11700		11.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	14.9		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	23800	B	23.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	280	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.7		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	4470		35.7	23.8	mg/Kg	1	✳	6010C	Total/NA
Selenium	1.2	J	4.8	0.48	mg/Kg	1	✳	6010C	Total/NA
Sodium	147	J	167	15.5	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.8		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.5		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0074	J	0.030	0.0068	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
gamma-BHC (Lindane)	0.59	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7070		11.8	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	8.9		2.4	0.47	mg/Kg	1	✳	6010C	Total/NA
Barium	13.1		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.45		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	167000	B	118	7.8	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.0		0.59	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.6		0.59	0.059	mg/Kg	1	✳	6010C	Total/NA
Copper	8.4		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	11400		11.8	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	16.9		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	24000	B	23.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	277	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.3		5.9	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3960		35.5	23.7	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.67	J	4.7	0.47	mg/Kg	1	✳	6010C	Total/NA
Sodium	159	J	166	15.4	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.2		0.59	0.13	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (11-12)(080321) (Continued)

Lab Sample ID: 480-187977-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Zinc	7.4		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-110 (10-11)(080321)

Lab Sample ID: 480-187977-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	29		23	3.8	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.30	J	4.5	0.22	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	2.8	J	4.5	2.1	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.61	J	4.5	0.34	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-103 (2-3)(080321)

Lab Sample ID: 480-187977-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	94		22	3.7	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	2.0	J	4.5	2.0	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	1.3	J	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Endrin aldehyde	0.61	J	2.0	0.51	ug/Kg	1	✳	8081B	Total/NA
Endrin ketone	0.63	J	2.0	0.49	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.76	J B	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
Aluminum	10800		12.4	5.5	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.7		2.5	0.50	mg/Kg	1	✳	6010C	Total/NA
Barium	31.2		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.61		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.077	J	0.25	0.037	mg/Kg	1	✳	6010C	Total/NA
Calcium	92900	B	62.1	4.1	mg/Kg	1	✳	6010C	Total/NA
Chromium	12.6		0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.5		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	6.5		1.2	0.26	mg/Kg	1	✳	6010C	Total/NA
Iron	13700		12.4	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	17.5		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	28900	B	24.8	1.2	mg/Kg	1	✳	6010C	Total/NA
Manganese	273	B	0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.4		6.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Potassium	4510		37.3	24.8	mg/Kg	1	✳	6010C	Total/NA
Sodium	168	J	174	16.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	15.1		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	13.1		2.5	0.80	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0084	J	0.025	0.0058	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.7	J	19	1.4	ug/Kg	1	✳	8260C	Total/NA
Acetone	28		19	3.3	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.39	J	3.9	0.19	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	1.5	J	3.9	0.59	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	2.4	J	3.9	1.8	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.80	J	3.9	0.29	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (8-9)(080321)

Lab Sample ID: 480-187977-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	26		20	3.4	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.38	J	4.0	0.20	ug/Kg	1	✳	8260C	Total/NA
Cyclohexane	0.61	J	4.0	0.56	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	0.76	J	4.0	0.61	ug/Kg	1	✳	8260C	Total/NA
Methylene Chloride	2.1	J	4.0	1.9	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.72	J	4.0	0.30	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.58	J	2.1	0.38	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.65	J	2.1	0.40	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.65	J B	2.1	0.39	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7740		12.2	5.4	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.8		2.4	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	15.8		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.50		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Calcium	157000	B	122	8.0	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.7		0.61	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.4		0.61	0.061	mg/Kg	1	✳	6010C	Total/NA
Copper	6.9		2.4	0.51	mg/Kg	2	✳	6010C	Total/NA
Iron	11600		12.2	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	13.6		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	16900	B	24.3	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	292	B	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	15.1		6.1	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	4400		36.5	24.3	mg/Kg	1	✳	6010C	Total/NA
Sodium	151	J	170	15.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.4		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.4		2.4	0.78	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	37	J	200	21	ug/Kg	1	✳	8270D	Total/NA
beta-BHC	0.59	J	1.9	0.35	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.52	J B	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8940	TH	11.6	5.1	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.4		2.3	0.46	mg/Kg	1	✳	6010C	Total/NA
Barium	27.8	TH	0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.50		0.23	0.032	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.077	J	0.23	0.035	mg/Kg	1	✳	6010C	Total/NA
Calcium	123000	B	116	7.7	mg/Kg	2	✳	6010C	Total/NA
Chromium	11.2		0.58	0.23	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.7		0.58	0.058	mg/Kg	1	✳	6010C	Total/NA
Copper	8.4		2.3	0.49	mg/Kg	2	✳	6010C	Total/NA
Iron	12400		11.6	4.1	mg/Kg	1	✳	6010C	Total/NA
Lead	14.3		1.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Magnesium	30800	B T	23.2	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	311	B	0.23	0.037	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.2		5.8	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3660	TH	34.8	23.2	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421) (Continued)

Lab Sample ID: 480-187977-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Selenium	0.93	J	4.6	0.46	mg/Kg	1	✳	6010C	Total/NA
Sodium	142	J	162	15.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	14.2	TH	0.58	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	12.9		2.3	0.74	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.0076	J	0.026	0.0060	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-102 (1-2)(080421)

Lab Sample ID: 480-187977-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	2.2	J	4.4	2.0	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-102 (2-3)(080421)

Lab Sample ID: 480-187977-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	39		23	3.8	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.65	J	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.61	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8080		11.9	5.2	mg/Kg	1	✳	6010C	Total/NA
Arsenic	3.5		2.4	0.48	mg/Kg	1	✳	6010C	Total/NA
Barium	29.3		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.45		0.24	0.033	mg/Kg	1	✳	6010C	Total/NA
Calcium	172000	B	119	7.9	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.5		0.60	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	3.6		0.60	0.060	mg/Kg	1	✳	6010C	Total/NA
Copper	7.7		2.4	0.50	mg/Kg	2	✳	6010C	Total/NA
Iron	9190		11.9	4.2	mg/Kg	1	✳	6010C	Total/NA
Lead	11.9		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	14800	B	23.8	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	251	B	0.24	0.038	mg/Kg	1	✳	6010C	Total/NA
Nickel	8.8		6.0	0.27	mg/Kg	1	✳	6010C	Total/NA
Potassium	3470		35.7	23.8	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.72	J	4.8	0.48	mg/Kg	1	✳	6010C	Total/NA
Sodium	142	J	167	15.5	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.3		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	10.8		2.4	0.76	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-102 (9-10)(080421)

Lab Sample ID: 480-187977-14

No Detections.

Client Sample ID: B-21-112 (0-1)(080421)

Lab Sample ID: 480-187977-15

No Detections.

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	0.85	J	1.8	0.46	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.53	J B	1.8	0.33	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	4.1		1.8	0.57	ug/Kg	1	✳	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (3-4)(080421) (Continued)

Lab Sample ID: 480-187977-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	6270		10.4	4.6	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.9		2.1	0.42	mg/Kg	1	☒	6010C	Total/NA
Barium	9.1		0.52	0.11	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.40		0.21	0.029	mg/Kg	1	☒	6010C	Total/NA
Calcium	149000	B	104	6.9	mg/Kg	2	☒	6010C	Total/NA
Chromium	8.2		0.52	0.21	mg/Kg	1	☒	6010C	Total/NA
Cobalt	5.3		0.52	0.052	mg/Kg	1	☒	6010C	Total/NA
Copper	7.1		2.1	0.44	mg/Kg	2	☒	6010C	Total/NA
Iron	10400		10.4	3.6	mg/Kg	1	☒	6010C	Total/NA
Lead	19.5		1.0	0.25	mg/Kg	1	☒	6010C	Total/NA
Magnesium	41800	B	20.9	0.97	mg/Kg	1	☒	6010C	Total/NA
Manganese	266	B	0.21	0.033	mg/Kg	1	☒	6010C	Total/NA
Nickel	11.4		5.2	0.24	mg/Kg	1	☒	6010C	Total/NA
Potassium	3860		31.3	20.9	mg/Kg	1	☒	6010C	Total/NA
Selenium	0.56	J	4.2	0.42	mg/Kg	1	☒	6010C	Total/NA
Sodium	169		146	13.6	mg/Kg	1	☒	6010C	Total/NA
Vanadium	9.1		0.52	0.11	mg/Kg	1	☒	6010C	Total/NA
Zinc	7.6		2.1	0.67	mg/Kg	1	☒	6010C	Total/NA

Client Sample ID: B-21-112 (5-6)(080421)

Lab Sample ID: 480-187977-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.0	J	26	1.9	ug/Kg	1	☒	8260C	Total/NA
Acetone	36		26	4.3	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.2	J	5.1	0.78	ug/Kg	1	☒	8260C	Total/NA
Toluene	0.81	J	5.1	0.39	ug/Kg	1	☒	8260C	Total/NA
Trichloroethene	5.0	J	5.1	1.1	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.60	J	1.9	0.34	ug/Kg	1	☒	8081B	Total/NA
beta-BHC	0.77	J	1.9	0.34	ug/Kg	1	☒	8081B	Total/NA
delta-BHC	0.75	J	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
Dieldrin	0.53	J	1.9	0.46	ug/Kg	1	☒	8081B	Total/NA
Endosulfan sulfate	0.38	J	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.71	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
Methoxychlor	1.3	J	1.9	0.39	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7910		11.4	5.0	mg/Kg	1	☒	6010C	Total/NA
Arsenic	4.7		2.3	0.46	mg/Kg	1	☒	6010C	Total/NA
Barium	13.4		0.57	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.46		0.23	0.032	mg/Kg	1	☒	6010C	Total/NA
Calcium	129000	B	114	7.5	mg/Kg	2	☒	6010C	Total/NA
Chromium	9.9		0.57	0.23	mg/Kg	1	☒	6010C	Total/NA
Cobalt	4.7		0.57	0.057	mg/Kg	1	☒	6010C	Total/NA
Copper	6.8		2.3	0.48	mg/Kg	2	☒	6010C	Total/NA
Iron	11200		11.4	4.0	mg/Kg	1	☒	6010C	Total/NA
Lead	16.6		1.1	0.27	mg/Kg	1	☒	6010C	Total/NA
Magnesium	37800	B	22.9	1.1	mg/Kg	1	☒	6010C	Total/NA
Manganese	249	B	0.23	0.037	mg/Kg	1	☒	6010C	Total/NA
Nickel	10.7		5.7	0.26	mg/Kg	1	☒	6010C	Total/NA
Potassium	4240		34.3	22.9	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (6-7)(080421) (Continued)

Lab Sample ID: 480-187977-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	149	J	160	14.9	mg/Kg	1	✳	6010C	Total/NA
Vanadium	11.1		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.5		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-21-112 (8-9)(080421)

Lab Sample ID: 480-187977-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	23	J	28	4.8	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	0.87	J	5.7	0.86	ug/Kg	1	✳	8260C	Total/NA
Toluene	0.75	J	5.7	0.43	ug/Kg	1	✳	8260C	Total/NA
Trichloroethene	4.2	J	5.7	1.2	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (4-5)(080321)

Lab Sample ID: 480-187977-1

Date Collected: 08/03/21 12:55

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 79.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,1,2,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,1-Dichloroethene	4.3	U	4.3	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
2-Butanone (MEK)	250		21	1.6	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Acetone	93		21	3.6	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Bromodichloromethane	4.3	U	4.3	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Carbon tetrachloride	4.3	U	4.3	0.41	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Chloroethane	4.3	U TH	4.3	0.97	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Chloroform	4.3	U	4.3	0.26	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Chloromethane	4.3	U TH	4.3	0.26	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Vinyl chloride	4.3	U TH	4.3	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	08/05/21 10:15	08/06/21 02:04	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (4-5)(080321)

Lab Sample ID: 480-187977-1

Date Collected: 08/03/21 12:55

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 79.5

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>08/05/21 10:15</i>	<i>08/06/21 02:04</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>121</i>		<i>64 - 126</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:04</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>88</i>		<i>72 - 126</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:04</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>108</i>		<i>60 - 140</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:04</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>100</i>		<i>71 - 125</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:04</i>	<i>1</i>

Client Sample ID: B-21-110 (6-7)(080321)

Lab Sample ID: 480-187977-2

Date Collected: 08/03/21 13:05

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,3,4,6-Tetrachlorophenol	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4,5-Trichlorophenol	200	U	200	55	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4-Dimethylphenol	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,4-Dinitrotoluene	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Nitroaniline	390	U	390	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
3-Nitroaniline	390	U	390	56	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Methylphenol	390	U	390	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Nitroaniline	390	U	390	110	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Acenaphthene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Anthracene	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Atrazine	200	U	200	70	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (6-7)(080321)

Lab Sample ID: 480-187977-2

Date Collected: 08/03/21 13:05

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Bis(2-ethylhexyl) phthalate	200	U	200	69	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Caprolactam	200	U	200	61	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Carbazole	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Chrysene	200	U	200	45	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Dibenz(a,h)anthracene	200	U	200	36	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Fluorene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Isophorone	200	U	200	43	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Nitrobenzene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Phenanthrene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Phenol	200	U	200	31	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1
Pyrene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:00	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	230	T J	ug/Kg	☼	3.07		08/05/21 14:45	08/06/21 15:00	1
Ethane, 1,1,2,2-tetrachloro-	260	T J N	ug/Kg	☼	4.26	79-34-5	08/05/21 14:45	08/06/21 15:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	87		54 - 120	08/05/21 14:45	08/06/21 15:00	1
2-Fluorobiphenyl (Surr)	84		60 - 120	08/05/21 14:45	08/06/21 15:00	1
2-Fluorophenol (Surr)	73		52 - 120	08/05/21 14:45	08/06/21 15:00	1
Nitrobenzene-d5 (Surr)	75		53 - 120	08/05/21 14:45	08/06/21 15:00	1
Phenol-d5 (Surr)	78		54 - 120	08/05/21 14:45	08/06/21 15:00	1
p-Terphenyl-d14 (Surr)	94		79 - 130	08/05/21 14:45	08/06/21 15:00	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 11:31	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 11:31	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 11:31	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 11:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (6-7)(080321)

Lab Sample ID: 480-187977-2

Date Collected: 08/03/21 13:05

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
beta-BHC	0.43	J	2.0	0.36	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
cis-Chlordane	2.0	U	2.0	0.99	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
delta-BHC	0.60	J	2.0	0.37	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endrin	2.0	U	2.0	0.39	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endrin aldehyde	2.0	U	2.0	0.51	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Endrin ketone	0.58	J	2.0	0.49	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
gamma-BHC (Lindane)	0.59	J B	2.0	0.37	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
Toxaphene	20	U	20	12	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1
trans-Chlordane	1.0	J	2.0	0.63	ug/Kg	✱	08/10/21 07:20	08/11/21 11:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		45 - 120	08/10/21 07:20	08/11/21 11:31	1
DCB Decachlorobiphenyl	118		45 - 120	08/10/21 07:20	08/11/21 11:31	1
Tetrachloro-m-xylene	103		30 - 124	08/10/21 07:20	08/11/21 11:31	1
Tetrachloro-m-xylene	110		30 - 124	08/10/21 07:20	08/11/21 11:31	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.048	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1221	0.24	U	0.24	0.048	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1232	0.24	U	0.24	0.048	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1242	0.24	U	0.24	0.048	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1248	0.24	U	0.24	0.048	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	✱	08/10/21 14:57	08/11/21 15:36	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154	08/10/21 14:57	08/11/21 15:36	1
Tetrachloro-m-xylene	93		60 - 154	08/10/21 14:57	08/11/21 15:36	1
DCB Decachlorobiphenyl	112		65 - 174	08/10/21 14:57	08/11/21 15:36	1
DCB Decachlorobiphenyl	97		65 - 174	08/10/21 14:57	08/11/21 15:36	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	13	ug/Kg	✱	08/12/21 08:43	08/16/21 23:40	1
Silvex (2,4,5-TP)	20	U	20	7.2	ug/Kg	✱	08/12/21 08:43	08/16/21 23:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	54		28 - 129	08/12/21 08:43	08/16/21 23:40	1
2,4-Dichlorophenylacetic acid	57		28 - 129	08/12/21 08:43	08/16/21 23:40	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (6-7)(080321)

Lab Sample ID: 480-187977-2

Date Collected: 08/03/21 13:05

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.3

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8380		11.9	5.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Antimony	17.8	U	17.8	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Arsenic	5.2		2.4	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Barium	16.0		0.59	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Beryllium	0.50		0.24	0.033	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Calcium	142000	B	119	7.9	mg/Kg	☼	08/08/21 20:13	08/10/21 20:17	2
Chromium	10.4		0.59	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Cobalt	5.1		0.59	0.059	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Copper	7.7		2.4	0.50	mg/Kg	☼	08/08/21 20:13	08/10/21 20:17	2
Iron	11700		11.9	4.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Lead	14.9		1.2	0.29	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Magnesium	23800	B	23.8	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Manganese	280	B	0.24	0.038	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Nickel	12.7		5.9	0.27	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Potassium	4470		35.7	23.8	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Selenium	1.2	J	4.8	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Sodium	147	J	167	15.5	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Vanadium	11.8		0.59	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1
Zinc	8.5		2.4	0.76	mg/Kg	☼	08/08/21 20:13	08/10/21 01:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0074	J	0.030	0.0068	mg/Kg	☼	08/17/21 14:40	08/17/21 16:29	1

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Date Collected: 08/03/21 13:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Date Collected: 08/03/21 13:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	380	U	380	55	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Atrazine	200	U	200	68	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Date Collected: 08/03/21 13:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 15:25	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	250	T J	ug/Kg	☼	3.05		08/05/21 14:45	08/06/21 15:25	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	93		54 - 120	08/05/21 14:45	08/06/21 15:25	1
2-Fluorobiphenyl (Surr)	89		60 - 120	08/05/21 14:45	08/06/21 15:25	1
2-Fluorophenol (Surr)	78		52 - 120	08/05/21 14:45	08/06/21 15:25	1
Nitrobenzene-d5 (Surr)	78		53 - 120	08/05/21 14:45	08/06/21 15:25	1
Phenol-d5 (Surr)	83		54 - 120	08/05/21 14:45	08/06/21 15:25	1
p-Terphenyl-d14 (Surr)	96		79 - 130	08/05/21 14:45	08/06/21 15:25	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
cis-Chlordane	2.0	U	2.0	0.97	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
delta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endosulfan I	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endosulfan sulfate	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
gamma-BHC (Lindane)	0.59	J B	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Heptachlor	2.0	U	2.0	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Heptachlor epoxide	2.0	U	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
Toxaphene	20	U	20	11	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 11:51	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	73		45 - 120	08/10/21 07:20	08/11/21 11:51	1
DCB Decachlorobiphenyl	116		45 - 120	08/10/21 07:20	08/11/21 11:51	1
Tetrachloro-m-xylene	84		30 - 124	08/10/21 07:20	08/11/21 11:51	1
Tetrachloro-m-xylene	97		30 - 124	08/10/21 07:20	08/11/21 11:51	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.23	U	0.23	0.045	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Date Collected: 08/03/21 13:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.6

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1254	0.23	U	0.23	0.11	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg	☼	08/10/21 14:57	08/11/21 15:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	94		60 - 154				08/10/21 14:57	08/11/21 15:49	1
Tetrachloro-m-xylene	95		60 - 154				08/10/21 14:57	08/11/21 15:49	1
DCB Decachlorobiphenyl	112		65 - 174				08/10/21 14:57	08/11/21 15:49	1
DCB Decachlorobiphenyl	96		65 - 174				08/10/21 14:57	08/11/21 15:49	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/12/21 08:43	08/17/21 00:10	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	08/12/21 08:43	08/17/21 00:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	64		28 - 129				08/12/21 08:43	08/17/21 00:10	1
2,4-Dichlorophenylacetic acid	66		28 - 129				08/12/21 08:43	08/17/21 00:10	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7070		11.8	5.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Antimony	17.8	U	17.8	0.47	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Arsenic	8.9		2.4	0.47	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Barium	13.1		0.59	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Beryllium	0.45		0.24	0.033	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Calcium	167000	B	118	7.8	mg/Kg	☼	08/08/21 20:13	08/10/21 20:20	2
Chromium	9.0		0.59	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Cobalt	5.6		0.59	0.059	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Copper	8.4		2.4	0.50	mg/Kg	☼	08/08/21 20:13	08/10/21 20:20	2
Iron	11400		11.8	4.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Lead	16.9		1.2	0.28	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Magnesium	24000	B	23.7	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Manganese	277	B	0.24	0.038	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Nickel	12.3		5.9	0.27	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Potassium	3960		35.5	23.7	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Selenium	0.67	J	4.7	0.47	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Sodium	159	J	166	15.4	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Vanadium	10.2		0.59	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1
Zinc	7.4		2.4	0.76	mg/Kg	☼	08/08/21 20:13	08/10/21 01:28	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.025	U	0.025	0.0059	mg/Kg	☼	08/17/21 14:40	08/17/21 16:30	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (10-11)(080321)

Lab Sample ID: 480-187977-4

Date Collected: 08/03/21 13:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
2-Hexanone	23	U	23	2.3	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Acetone	29		23	3.8	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Benzene	0.30	J	4.5	0.22	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Cyclohexane	4.5	U	4.5	0.63	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Methyl acetate	23	U	23	2.7	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Methylene Chloride	2.8	J	4.5	2.1	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Styrene	4.5	U	4.5	0.23	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Toluene	0.61	J	4.5	0.34	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Vinyl chloride	4.5	U TH	4.5	0.55	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	✱	08/05/21 10:15	08/06/21 02:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (10-11)(080321)

Lab Sample ID: 480-187977-4

Date Collected: 08/03/21 13:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.7

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	<i>☼</i>			<i>08/05/21 10:15</i>	<i>08/06/21 02:28</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>118</i>		<i>64 - 126</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:28</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>87</i>		<i>72 - 126</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:28</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>104</i>		<i>60 - 140</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:28</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>98</i>		<i>71 - 125</i>				<i>08/05/21 10:15</i>	<i>08/06/21 02:28</i>	<i>1</i>

Client Sample ID: B-21-103 (2-3)(080321)

Lab Sample ID: 480-187977-5

Date Collected: 08/03/21 14:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.72	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,1-Dichloroethane	4.5	U	4.5	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2-Dibromoethane	4.5	U	4.5	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
1,4-Dichlorobenzene	4.5	U	4.5	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Acetone	94		22	3.7	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Cyclohexane	4.5	U	4.5	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Isopropylbenzene	4.5	U	4.5	0.67	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1

Euofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (2-3)(080321)

Lab Sample ID: 480-187977-5

Date Collected: 08/03/21 14:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Methylene Chloride	2.0	J	4.5	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Trichloroethene	4.5	U	4.5	0.98	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Vinyl chloride	4.5	U TH	4.5	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1
Xylenes, Total	8.9	U	8.9	0.75	ug/Kg	☼	08/05/21 10:15	08/06/21 02:53	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	7.2	T J	ug/Kg	☼	6.46		08/05/21 10:15	08/06/21 02:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	120		64 - 126	08/05/21 10:15	08/06/21 02:53	1
4-Bromofluorobenzene (Surr)	89		72 - 126	08/05/21 10:15	08/06/21 02:53	1
Dibromofluoromethane (Surr)	109		60 - 140	08/05/21 10:15	08/06/21 02:53	1
Toluene-d8 (Surr)	99		71 - 125	08/05/21 10:15	08/06/21 02:53	1

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 82.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4-Dinitrophenol	2000	U	2000	930	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2,6-Dinitrotoluene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Nitroaniline	390	U	390	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
3,3'-Dichlorobenzidine	390	U	390	240	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
3-Nitroaniline	390	U	390	56	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Chloro-3-methylphenol	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Chloroaniline	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 82.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	390	U	390	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Nitroaniline	390	U	390	110	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Acenaphthene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Anthracene	200	U	200	50	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Atrazine	200	U	200	70	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzo[a]pyrene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Biphenyl	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Bis(2-chloroethoxy)methane	200	U	200	43	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Caprolactam	200	U	200	60	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Carbazole	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Chrysene	200	U	200	45	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Fluorene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Hexachlorobutadiene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Isophorone	200	U	200	43	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Phenanthrene	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Phenol	200	U	200	31	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1
Pyrene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 15:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	250	T J	ug/Kg	☼	3.08		08/05/21 14:45	08/06/21 15:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 82.7

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120	08/05/21 14:45	08/06/21 15:50	1
2-Fluorobiphenyl (Surr)	91		60 - 120	08/05/21 14:45	08/06/21 15:50	1
2-Fluorophenol (Surr)	82		52 - 120	08/05/21 14:45	08/06/21 15:50	1
Nitrobenzene-d5 (Surr)	82		53 - 120	08/05/21 14:45	08/06/21 15:50	1
Phenol-d5 (Surr)	88		54 - 120	08/05/21 14:45	08/06/21 15:50	1
p-Terphenyl-d14 (Surr)	96		79 - 130	08/05/21 14:45	08/06/21 15:50	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
4,4'-DDE	2.0	U	2.0	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
4,4'-DDT	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
beta-BHC	1.3	J	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
cis-Chlordane	2.0	U	2.0	1.0	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Dieldrin	2.0	U	2.0	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endrin	2.0	U	2.0	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endrin aldehyde	0.61	J	2.0	0.51	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Endrin ketone	0.63	J	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
gamma-BHC (Lindane)	0.76	J B	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Heptachlor epoxide	2.0	U	2.0	0.52	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Methoxychlor	2.0	U	2.0	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
Toxaphene	20	U	20	12	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1
trans-Chlordane	2.0	U	2.0	0.64	ug/Kg	☼	08/10/21 07:20	08/11/21 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	93		45 - 120	08/10/21 07:20	08/11/21 12:10	1
DCB Decachlorobiphenyl	120		45 - 120	08/10/21 07:20	08/11/21 12:10	1
Tetrachloro-m-xylene	95		30 - 124	08/10/21 07:20	08/11/21 12:10	1
Tetrachloro-m-xylene	113		30 - 124	08/10/21 07:20	08/11/21 12:10	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	08/10/21 14:57	08/11/21 16:02	1
Tetrachloro-m-xylene	96		60 - 154	08/10/21 14:57	08/11/21 16:02	1
DCB Decachlorobiphenyl	109		65 - 174	08/10/21 14:57	08/11/21 16:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 82.7

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	97		65 - 174	08/10/21 14:57	08/11/21 16:02	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☆	08/12/21 08:43	08/17/21 00:40	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☆	08/12/21 08:43	08/17/21 00:40	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		28 - 129	08/12/21 08:43	08/17/21 00:40	1
2,4-Dichlorophenylacetic acid	63		28 - 129	08/12/21 08:43	08/17/21 00:40	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	10800		12.4	5.5	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Antimony	18.6	U	18.6	0.50	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Arsenic	5.7		2.5	0.50	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Barium	31.2		0.62	0.14	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Beryllium	0.61		0.25	0.035	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Cadmium	0.077	J	0.25	0.037	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Calcium	92900	B	62.1	4.1	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Chromium	12.6		0.62	0.25	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Cobalt	5.5		0.62	0.062	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Copper	6.5		1.2	0.26	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Iron	13700		12.4	4.3	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Lead	17.5		1.2	0.30	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Magnesium	28900	B	24.8	1.2	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Manganese	273	B	0.25	0.040	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Nickel	12.4		6.2	0.29	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Potassium	4510		37.3	24.8	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Selenium	5.0	U	5.0	0.50	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Silver	0.75	U	0.75	0.25	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Sodium	168	J	174	16.1	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Thallium	7.5	U	7.5	0.37	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Vanadium	15.1		0.62	0.14	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1
Zinc	13.1		2.5	0.80	mg/Kg	☆	08/08/21 20:13	08/10/21 01:32	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0084	J	0.025	0.0058	mg/Kg	☆	08/17/21 14:40	08/17/21 16:34	1

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Date Collected: 08/03/21 14:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	3.9	U	3.9	0.28	ug/Kg	☆	08/05/21 10:15	08/06/21 03:17	1
1,1,2,2-Tetrachloroethane	3.9	U	3.9	0.63	ug/Kg	☆	08/05/21 10:15	08/06/21 03:17	1
1,1,2-Trichloro-1,2,2-trifluoroethane	3.9	U	3.9	0.88	ug/Kg	☆	08/05/21 10:15	08/06/21 03:17	1
1,1,2-Trichloroethane	3.9	U	3.9	0.50	ug/Kg	☆	08/05/21 10:15	08/06/21 03:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Date Collected: 08/03/21 14:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	3.9	U	3.9	0.47	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,1-Dichloroethene	3.9	U	3.9	0.47	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2,4-Trichlorobenzene	3.9	U	3.9	0.24	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2-Dibromo-3-Chloropropane	3.9	U	3.9	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2-Dibromoethane	3.9	U	3.9	0.50	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2-Dichlorobenzene	3.9	U	3.9	0.30	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2-Dichloroethane	3.9	U	3.9	0.19	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,2-Dichloropropane	3.9	U	3.9	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,3-Dichlorobenzene	3.9	U	3.9	0.20	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
1,4-Dichlorobenzene	3.9	U	3.9	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
2-Butanone (MEK)	2.7	J	19	1.4	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
2-Hexanone	19	U	19	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
4-Methyl-2-pentanone (MIBK)	19	U	19	1.3	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Acetone	28		19	3.3	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Benzene	0.39	J	3.9	0.19	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Bromodichloromethane	3.9	U	3.9	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Bromoform	3.9	U	3.9	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Bromomethane	3.9	U	3.9	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Carbon disulfide	3.9	U	3.9	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Carbon tetrachloride	3.9	U	3.9	0.37	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Chlorobenzene	3.9	U	3.9	0.51	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Chloroethane	3.9	U TH	3.9	0.87	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Chloroform	3.9	U	3.9	0.24	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Chloromethane	3.9	U TH	3.9	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
cis-1,2-Dichloroethene	3.9	U	3.9	0.50	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
cis-1,3-Dichloropropene	3.9	U	3.9	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Cyclohexane	3.9	U	3.9	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Dibromochloromethane	3.9	U	3.9	0.50	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Dichlorodifluoromethane	3.9	U	3.9	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Ethylbenzene	3.9	U	3.9	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Isopropylbenzene	3.9	U	3.9	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Methyl acetate	19	U	19	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Methyl tert-butyl ether	3.9	U	3.9	0.38	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Methylcyclohexane	1.5	J	3.9	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Methylene Chloride	2.4	J	3.9	1.8	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Styrene	3.9	U	3.9	0.19	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Tetrachloroethene	3.9	U	3.9	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Toluene	0.80	J	3.9	0.29	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
trans-1,2-Dichloroethene	3.9	U	3.9	0.40	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
trans-1,3-Dichloropropene	3.9	U	3.9	1.7	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Trichloroethene	3.9	U	3.9	0.85	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Trichlorofluoromethane	3.9	U	3.9	0.37	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Vinyl chloride	3.9	U TH	3.9	0.47	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1
Xylenes, Total	7.7	U	7.7	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 03:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Heptane	5.7	T J N	ug/Kg	☼	5.45	142-82-5	08/05/21 10:15	08/06/21 03:17	1
Unknown	9.1	T J	ug/Kg	☼	6.48		08/05/21 10:15	08/06/21 03:17	1
Unknown	6.2	T J	ug/Kg	☼	6.62		08/05/21 10:15	08/06/21 03:17	1
Unknown	8.2	T J	ug/Kg	☼	8.01		08/05/21 10:15	08/06/21 03:17	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Date Collected: 08/03/21 14:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.3	T J	ug/Kg	☼	8.14		08/05/21 10:15	08/06/21 03:17	1
Nonane	9.9	T J N	ug/Kg	☼	8.53	111-84-2	08/05/21 10:15	08/06/21 03:17	1
Unknown	5.5	T J	ug/Kg	☼	9.45		08/05/21 10:15	08/06/21 03:17	1
Unknown	6.6	T J	ug/Kg	☼	9.91		08/05/21 10:15	08/06/21 03:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	116		64 - 126	08/05/21 10:15	08/06/21 03:17	1
4-Bromofluorobenzene (Surr)	93		72 - 126	08/05/21 10:15	08/06/21 03:17	1
Dibromofluoromethane (Surr)	105		60 - 140	08/05/21 10:15	08/06/21 03:17	1
Toluene-d8 (Surr)	100		71 - 125	08/05/21 10:15	08/06/21 03:17	1

Client Sample ID: B-21-103 (8-9)(080321)

Lab Sample ID: 480-187977-8

Date Collected: 08/03/21 15:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.0	U	4.0	0.29	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.0	U	4.0	0.92	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,1,2-Trichloroethane	4.0	U	4.0	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,1-Dichloroethane	4.0	U	4.0	0.49	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,1-Dichloroethene	4.0	U	4.0	0.49	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2,4-Trichlorobenzene	4.0	U	4.0	0.24	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2-Dibromo-3-Chloropropane	4.0	U	4.0	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2-Dibromoethane	4.0	U	4.0	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2-Dichlorobenzene	4.0	U	4.0	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2-Dichloroethane	4.0	U	4.0	0.20	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,2-Dichloropropane	4.0	U	4.0	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,3-Dichlorobenzene	4.0	U	4.0	0.21	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
1,4-Dichlorobenzene	4.0	U	4.0	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
2-Butanone (MEK)	20	U	20	1.5	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Acetone	26		20	3.4	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Benzene	0.38	J	4.0	0.20	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Bromodichloromethane	4.0	U	4.0	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Bromoform	4.0	U	4.0	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Bromomethane	4.0	U	4.0	0.36	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Carbon disulfide	4.0	U	4.0	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Carbon tetrachloride	4.0	U	4.0	0.39	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Chlorobenzene	4.0	U	4.0	0.53	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Chloroethane	4.0	U TH	4.0	0.91	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Chloroform	4.0	U	4.0	0.25	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Chloromethane	4.0	U TH	4.0	0.24	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
cis-1,2-Dichloroethene	4.0	U	4.0	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
cis-1,3-Dichloropropene	4.0	U	4.0	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Cyclohexane	0.61	J	4.0	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Dibromochloromethane	4.0	U	4.0	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Dichlorodifluoromethane	4.0	U	4.0	0.33	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (8-9)(080321)

Lab Sample ID: 480-187977-8

Date Collected: 08/03/21 15:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.0	U	4.0	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Isopropylbenzene	4.0	U	4.0	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Methyl acetate	20	U	20	2.4	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Methyl tert-butyl ether	4.0	U	4.0	0.40	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Methylcyclohexane	0.76	J	4.0	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Methylene Chloride	2.1	J	4.0	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Styrene	4.0	U	4.0	0.20	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Tetrachloroethene	4.0	U	4.0	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Toluene	0.72	J	4.0	0.30	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
trans-1,2-Dichloroethene	4.0	U	4.0	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
trans-1,3-Dichloropropene	4.0	U	4.0	1.8	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Trichloroethene	4.0	U	4.0	0.89	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Trichlorofluoromethane	4.0	U	4.0	0.38	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Vinyl chloride	4.0	U TH	4.0	0.49	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1
Xylenes, Total	8.1	U	8.1	0.68	ug/Kg	☼	08/05/21 10:15	08/06/21 03:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	8.7	T J	ug/Kg	☼	3.69		08/05/21 10:15	08/06/21 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		64 - 126	08/05/21 10:15	08/06/21 03:42	1
4-Bromofluorobenzene (Surr)	89		72 - 126	08/05/21 10:15	08/06/21 03:42	1
Dibromofluoromethane (Surr)	103		60 - 140	08/05/21 10:15	08/06/21 03:42	1
Toluene-d8 (Surr)	98		71 - 125	08/05/21 10:15	08/06/21 03:42	1

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	210	U	210	36	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
1,4-Dioxane	120	U	120	68	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,3,4,6-Tetrachlorophenol	210	U	210	43	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4,5-Trichlorophenol	210	U	210	57	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4,6-Trichlorophenol	210	U	210	42	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4-Dichlorophenol	210	U	210	22	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4-Dimethylphenol	210	U	210	51	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4-Dinitrophenol	2100	U	2100	970	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,4-Dinitrotoluene	210	U	210	43	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2,6-Dinitrotoluene	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Chloronaphthalene	210	U	210	35	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Chlorophenol	410	U	410	38	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Methylnaphthalene	210	U	210	42	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Methylphenol	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Nitroaniline	410	U	410	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
2-Nitrophenol	210	U	210	60	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
3,3'-Dichlorobenzidine	410	U	410	250	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
3-Nitroaniline	410	U	410	58	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4,6-Dinitro-2-methylphenol	410	U	410	210	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 78.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Bromophenyl phenyl ether	210	U	210	30	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Chloro-3-methylphenol	210	U	210	52	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Chloroaniline	210	U	210	52	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Chlorophenyl phenyl ether	210	U	210	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Methylphenol	410	U	410	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Nitroaniline	410	U	410	110	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
4-Nitrophenol	410	U	410	150	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Acenaphthene	210	U	210	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Acenaphthylene	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Acetophenone	210	U	210	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Anthracene	210	U	210	52	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Atrazine	210	U	210	73	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzaldehyde	210	U	210	170	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzo[a]anthracene	210	U	210	21	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzo[a]pyrene	210	U	210	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzo[b]fluoranthene	210	U	210	34	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzo[g,h,i]perylene	210	U	210	22	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Benzo[k]fluoranthene	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Biphenyl	210	U	210	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
bis (2-chloroisopropyl) ether	210	U	210	42	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Bis(2-chloroethoxy)methane	210	U	210	45	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Bis(2-chloroethyl)ether	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Bis(2-ethylhexyl) phthalate	210	U	210	72	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Butyl benzyl phthalate	210	U	210	35	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Caprolactam	210	U	210	63	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Carbazole	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Chrysene	210	U	210	47	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Dibenz(a,h)anthracene	210	U	210	37	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Dibenzofuran	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Diethyl phthalate	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Dimethyl phthalate	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Di-n-butyl phthalate	210	U	210	36	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Di-n-octyl phthalate	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Fluoranthene	210	U	210	22	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Fluorene	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Hexachlorobenzene	210	U	210	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Hexachlorobutadiene	210	U	210	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Hexachlorocyclopentadiene	210	U	210	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Hexachloroethane	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Indeno[1,2,3-cd]pyrene	210	U	210	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Isophorone	210	U	210	45	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Naphthalene	210	U	210	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Nitrobenzene	210	U	210	24	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
N-Nitrosodi-n-propylamine	210	U	210	36	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
N-Nitrosodiphenylamine	210	U	210	170	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Pentachlorophenol	410	U	410	210	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Phenanthrene	210	U	210	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Phenol	210	U	210	32	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1
Pyrene	210	U	210	25	ug/Kg	☼	08/05/21 14:45	08/06/21 16:14	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 78.0

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	260	T J	ug/Kg	☼	3.07		08/05/21 14:45	08/06/21 16:14	1
Ethane, 1,1,2,2-tetrachloro-	230	T J N	ug/Kg	☼	4.26	79-34-5	08/05/21 14:45	08/06/21 16:14	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
2,4,6-Tribromophenol (Surr)	90		54 - 120	08/05/21 14:45	08/06/21 16:14	1
2-Fluorobiphenyl (Surr)	90		60 - 120	08/05/21 14:45	08/06/21 16:14	1
2-Fluorophenol (Surr)	81		52 - 120	08/05/21 14:45	08/06/21 16:14	1
Nitrobenzene-d5 (Surr)	85		53 - 120	08/05/21 14:45	08/06/21 16:14	1
Phenol-d5 (Surr)	84		54 - 120	08/05/21 14:45	08/06/21 16:14	1
p-Terphenyl-d14 (Surr)	99		79 - 130	08/05/21 14:45	08/06/21 16:14	1

Method: 8081B - Organochlorine Pesticides (GC)

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
4,4'-DDD	2.1	U	2.1	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
4,4'-DDE	2.1	U	2.1	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
4,4'-DDT	2.1	U	2.1	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Aldrin	2.1	U	2.1	0.52	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
alpha-BHC	2.1	U	2.1	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
beta-BHC	0.58	J	2.1	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
cis-Chlordane	2.1	U	2.1	1.1	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
delta-BHC	0.65	J	2.1	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Dieldrin	2.1	U	2.1	0.51	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endosulfan I	2.1	U	2.1	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endosulfan II	2.1	U	2.1	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endosulfan sulfate	2.1	U	2.1	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endrin	2.1	U	2.1	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endrin aldehyde	2.1	U	2.1	0.54	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Endrin ketone	2.1	U	2.1	0.52	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
gamma-BHC (Lindane)	0.65	J B	2.1	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Heptachlor	2.1	U	2.1	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Heptachlor epoxide	2.1	U	2.1	0.55	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Methoxychlor	2.1	U	2.1	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
Toxaphene	21	U	21	12	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1
trans-Chlordane	2.1	U	2.1	0.68	ug/Kg	☼	08/10/21 07:20	08/11/21 11:12	1

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
DCB Decachlorobiphenyl	95		45 - 120	08/10/21 07:20	08/11/21 11:12	1
DCB Decachlorobiphenyl	120		45 - 120	08/10/21 07:20	08/11/21 11:12	1
Tetrachloro-m-xylene	90		30 - 124	08/10/21 07:20	08/11/21 11:12	1
Tetrachloro-m-xylene	117		30 - 124	08/10/21 07:20	08/11/21 11:12	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
PCB-1016	0.26	U	0.26	0.052	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1221	0.26	U	0.26	0.052	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1232	0.26	U	0.26	0.052	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1242	0.26	U	0.26	0.052	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1248	0.26	U	0.26	0.052	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	08/10/21 14:57	08/11/21 16:15	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 78.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	08/10/21 14:57	08/11/21 16:15	1
Tetrachloro-m-xylene	98		60 - 154	08/10/21 14:57	08/11/21 16:15	1
DCB Decachlorobiphenyl	111		65 - 174	08/10/21 14:57	08/11/21 16:15	1
DCB Decachlorobiphenyl	98		65 - 174	08/10/21 14:57	08/11/21 16:15	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	21	U	21	13	ug/Kg	✱	08/12/21 08:43	08/17/21 01:09	1
Silvex (2,4,5-TP)	21	U	21	7.5	ug/Kg	✱	08/12/21 08:43	08/17/21 01:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	61		28 - 129	08/12/21 08:43	08/17/21 01:09	1
2,4-Dichlorophenylacetic acid	67		28 - 129	08/12/21 08:43	08/17/21 01:09	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7740		12.2	5.4	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Antimony	18.2	U	18.2	0.49	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Arsenic	4.8		2.4	0.49	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Barium	15.8		0.61	0.13	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Beryllium	0.50		0.24	0.034	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Calcium	157000	B	122	8.0	mg/Kg	✱	08/08/21 20:13	08/10/21 20:24	2
Chromium	9.7		0.61	0.24	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Cobalt	5.4		0.61	0.061	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Copper	6.9		2.4	0.51	mg/Kg	✱	08/08/21 20:13	08/10/21 20:24	2
Iron	11600		12.2	4.3	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Lead	13.6		1.2	0.29	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Magnesium	16900	B	24.3	1.1	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Manganese	292	B	0.24	0.039	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Nickel	15.1		6.1	0.28	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Potassium	4400		36.5	24.3	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Selenium	4.9	U	4.9	0.49	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Silver	0.73	U	0.73	0.24	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Sodium	151	J	170	15.8	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Thallium	7.3	U	7.3	0.36	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Vanadium	10.4		0.61	0.13	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1
Zinc	8.4		2.4	0.78	mg/Kg	✱	08/08/21 20:13	08/10/21 01:35	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	U T	0.028	0.0065	mg/Kg	✱	08/17/21 14:40	08/17/21 16:35	1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	✱	08/05/21 14:45	08/06/21 16:38	1
1,4-Dioxane	120	U	120	64	ug/Kg	✱	08/05/21 14:45	08/06/21 16:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4-Dinitrophenol	1900	U	1900	910	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
3-Nitroaniline	380	U	380	55	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Methylphenol	380	U	380	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Nitroaniline	380	U	380	100	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
4-Nitrophenol	380	U	380	140	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Anthracene	200	U	200	49	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Atrazine	200	U	200	68	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Caprolactam	200	U	200	59	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Carbazole	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Chrysene	200	U	200	44	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Fluoranthene	37	J	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 16:38	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	250	T J	ug/Kg	☼	3.09		08/05/21 14:45	08/06/21 16:38	1
Ethane, 1,1,2,2-tetrachloro-	200	T J N	ug/Kg	☼	4.27	79-34-5	08/05/21 14:45	08/06/21 16:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	94		54 - 120	08/05/21 14:45	08/06/21 16:38	1
2-Fluorobiphenyl (Surr)	87		60 - 120	08/05/21 14:45	08/06/21 16:38	1
2-Fluorophenol (Surr)	75		52 - 120	08/05/21 14:45	08/06/21 16:38	1
Nitrobenzene-d5 (Surr)	78		53 - 120	08/05/21 14:45	08/06/21 16:38	1
Phenol-d5 (Surr)	80		54 - 120	08/05/21 14:45	08/06/21 16:38	1
p-Terphenyl-d14 (Surr)	97		79 - 130	08/05/21 14:45	08/06/21 16:38	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
beta-BHC	0.59	J	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
cis-Chlordane	1.9	U	1.9	0.97	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Dieldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endrin aldehyde	1.9	U	1.9	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Endrin ketone	1.9	U	1.9	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
gamma-BHC (Lindane)	0.52	J B	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methoxychlor	1.9	U	1.9	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 12:30	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	89		45 - 120				08/10/21 07:20	08/11/21 12:30	1
DCB Decachlorobiphenyl	116		45 - 120				08/10/21 07:20	08/11/21 12:30	1
Tetrachloro-m-xylene	112		30 - 124				08/10/21 07:20	08/11/21 12:30	1
Tetrachloro-m-xylene	112		30 - 124				08/10/21 07:20	08/11/21 12:30	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154				08/10/21 14:57	08/11/21 16:27	1
Tetrachloro-m-xylene	104		60 - 154				08/10/21 14:57	08/11/21 16:27	1
DCB Decachlorobiphenyl	119		65 - 174				08/10/21 14:57	08/11/21 16:27	1
DCB Decachlorobiphenyl	105		65 - 174				08/10/21 14:57	08/11/21 16:27	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/12/21 08:43	08/16/21 23:11	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	08/12/21 08:43	08/16/21 23:11	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	53		28 - 129				08/12/21 08:43	08/16/21 23:11	1
2,4-Dichlorophenylacetic acid	62		28 - 129				08/12/21 08:43	08/16/21 23:11	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8940	TH	11.6	5.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Antimony	17.4	U TL	17.4	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Arsenic	4.4		2.3	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Barium	27.8	TH	0.58	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Beryllium	0.50		0.23	0.032	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Cadmium	0.077	J	0.23	0.035	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Calcium	123000	B	116	7.7	mg/Kg	☼	08/08/21 20:13	08/10/21 20:28	2
Chromium	11.2		0.58	0.23	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Cobalt	4.7		0.58	0.058	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Copper	8.4		2.3	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 20:28	2
Iron	12400		11.6	4.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Lead	14.3		1.2	0.28	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Magnesium	30800	B T	23.2	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Manganese	311	B	0.23	0.037	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	11.2		5.8	0.27	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Potassium	3660	TH	34.8	23.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Selenium	0.93	J	4.6	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Silver	0.70	U	0.70	0.23	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Sodium	142	J	162	15.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Thallium	7.0	U	7.0	0.35	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Vanadium	14.2	TH	0.58	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1
Zinc	12.9		2.3	0.74	mg/Kg	☼	08/08/21 20:13	08/10/21 01:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0076	J	0.026	0.0060	mg/Kg	☼	08/17/21 14:40	08/17/21 16:43	1

Client Sample ID: B-21-102 (1-2)(080421)

Lab Sample ID: 480-187977-11

Date Collected: 08/04/21 08:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.4	U	4.4	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,1,2,2-Tetrachloroethane	4.4	U	4.4	0.72	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.4	U	4.4	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,1,2-Trichloroethane	4.4	U	4.4	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,1-Dichloroethane	4.4	U	4.4	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,1-Dichloroethene	4.4	U	4.4	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2,4-Trichlorobenzene	4.4	U	4.4	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2-Dibromo-3-Chloropropane	4.4	U	4.4	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2-Dibromoethane	4.4	U	4.4	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2-Dichlorobenzene	4.4	U	4.4	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2-Dichloroethane	4.4	U	4.4	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,2-Dichloropropane	4.4	U	4.4	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,3-Dichlorobenzene	4.4	U	4.4	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
1,4-Dichlorobenzene	4.4	U	4.4	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
2-Butanone (MEK)	22	U	22	1.6	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Acetone	22	U	22	3.7	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Benzene	4.4	U	4.4	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Bromodichloromethane	4.4	U	4.4	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Bromoform	4.4	U	4.4	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Bromomethane	4.4	U	4.4	0.40	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Carbon disulfide	4.4	U	4.4	2.2	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Carbon tetrachloride	4.4	U	4.4	0.43	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Chlorobenzene	4.4	U	4.4	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Chloroethane	4.4	U TH	4.4	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Chloroform	4.4	U	4.4	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Chloromethane	4.4	U TH	4.4	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
cis-1,2-Dichloroethene	4.4	U	4.4	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
cis-1,3-Dichloropropene	4.4	U	4.4	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Cyclohexane	4.4	U	4.4	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (1-2)(080421)

Lab Sample ID: 480-187977-11

Date Collected: 08/04/21 08:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 91.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	4.4	U	4.4	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Dichlorodifluoromethane	4.4	U	4.4	0.37	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Ethylbenzene	4.4	U	4.4	0.31	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Isopropylbenzene	4.4	U	4.4	0.67	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Methyl tert-butyl ether	4.4	U	4.4	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Methylcyclohexane	4.4	U	4.4	0.67	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Methylene Chloride	2.2	J	4.4	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Styrene	4.4	U	4.4	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Tetrachloroethene	4.4	U	4.4	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Toluene	4.4	U	4.4	0.34	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
trans-1,2-Dichloroethene	4.4	U	4.4	0.46	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
trans-1,3-Dichloropropene	4.4	U	4.4	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Trichloroethene	4.4	U	4.4	0.98	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Trichlorofluoromethane	4.4	U	4.4	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Vinyl chloride	4.4	U TH	4.4	0.54	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1
Xylenes, Total	8.9	U	8.9	0.75	ug/Kg	☼	08/05/21 10:15	08/06/21 04:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/05/21 10:15	08/06/21 04:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	122		64 - 126	08/05/21 10:15	08/06/21 04:07	1
4-Bromofluorobenzene (Surr)	95		72 - 126	08/05/21 10:15	08/06/21 04:07	1
Dibromofluoromethane (Surr)	106		60 - 140	08/05/21 10:15	08/06/21 04:07	1
Toluene-d8 (Surr)	97		71 - 125	08/05/21 10:15	08/06/21 04:07	1

Client Sample ID: B-21-102 (2-3)(080421)

Lab Sample ID: 480-187977-12

Date Collected: 08/04/21 08:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.74	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,1,2-Trichloroethane	4.5	U	4.5	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,1-Dichloroethene	4.5	U	4.5	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2-Dichlorobenzene	4.5	U	4.5	0.36	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2-Dichloroethane	4.5	U	4.5	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,2-Dichloropropane	4.5	U	4.5	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
1,4-Dichlorobenzene	4.5	U	4.5	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (2-3)(080421)

Lab Sample ID: 480-187977-12

Date Collected: 08/04/21 08:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	39		23	3.8	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Bromodichloromethane	4.5	U	4.5	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Bromoform	4.5	U	4.5	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Bromomethane	4.5	U	4.5	0.41	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Carbon disulfide	4.5	U	4.5	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Carbon tetrachloride	4.5	U	4.5	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Chlorobenzene	4.5	U	4.5	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Chloroethane	4.5	U TH	4.5	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Chloromethane	4.5	U TH	4.5	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Cyclohexane	4.5	U	4.5	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Dibromochloromethane	4.5	U	4.5	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Dichlorodifluoromethane	4.5	U	4.5	0.38	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Isopropylbenzene	4.5	U	4.5	0.69	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Methyl acetate	23	U	23	2.7	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Methyl tert-butyl ether	4.5	U	4.5	0.45	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Methylcyclohexane	4.5	U	4.5	0.69	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Styrene	4.5	U	4.5	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Tetrachloroethene	4.5	U	4.5	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Toluene	4.5	U	4.5	0.34	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.47	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Trichloroethene	4.5	U	4.5	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Trichlorofluoromethane	4.5	U	4.5	0.43	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Vinyl chloride	4.5	U TH	4.5	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1
Xylenes, Total	9.1	U	9.1	0.76	ug/Kg	☼	08/05/21 10:15	08/06/21 04:31	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/05/21 10:15	08/06/21 04:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	118		64 - 126	08/05/21 10:15	08/06/21 04:31	1
4-Bromofluorobenzene (Surr)	97		72 - 126	08/05/21 10:15	08/06/21 04:31	1
Dibromofluoromethane (Surr)	106		60 - 140	08/05/21 10:15	08/06/21 04:31	1
Toluene-d8 (Surr)	98		71 - 125	08/05/21 10:15	08/06/21 04:31	1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,4-Dinitrophenol	2000	U	2000	920	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Chlorophenol	390	U	390	36	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Methylphenol	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Nitroaniline	390	U	390	29	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
2-Nitrophenol	200	U	200	56	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
3,3'-Dichlorobenzidine	390	U	390	230	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
3-Nitroaniline	390	U	390	55	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Chloroaniline	200	U	200	49	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Methylphenol	390	U	390	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Nitroaniline	390	U	390	100	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
4-Nitrophenol	390	U	390	140	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Acenaphthene	200	U	200	29	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Acenaphthylene	200	U	200	26	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Acetophenone	200	U	200	27	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Anthracene	200	U	200	49	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Atrazine	200	U	200	69	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzaldehyde	200	U	200	160	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Biphenyl	200	U	200	29	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Caprolactam	200	U	200	60	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Carbazole	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Chrysene	200	U	200	45	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Dibenzofuran	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Diethyl phthalate	200	U	200	26	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Dimethyl phthalate	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	✱	08/05/21 14:45	08/06/21 17:02	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Fluorene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Isophorone	200	U	200	42	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Phenol	200	U	200	31	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 17:02	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	280	T J	ug/Kg	☼	3.06		08/05/21 14:45	08/06/21 17:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		54 - 120	08/05/21 14:45	08/06/21 17:02	1
2-Fluorobiphenyl (Surr)	88		60 - 120	08/05/21 14:45	08/06/21 17:02	1
2-Fluorophenol (Surr)	82		52 - 120	08/05/21 14:45	08/06/21 17:02	1
Nitrobenzene-d5 (Surr)	80		53 - 120	08/05/21 14:45	08/06/21 17:02	1
Phenol-d5 (Surr)	85		54 - 120	08/05/21 14:45	08/06/21 17:02	1
p-Terphenyl-d14 (Surr)	93		79 - 130	08/05/21 14:45	08/06/21 17:02	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
alpha-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
beta-BHC	0.65	J	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
delta-BHC	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endosulfan II	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
gamma-BHC (Lindane)	0.61	J B	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Toxaphene	20	U	20	11	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	08/10/21 07:20	08/11/21 12:49	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	76		45 - 120				08/10/21 07:20	08/11/21 12:49	1
DCB Decachlorobiphenyl	119		45 - 120				08/10/21 07:20	08/11/21 12:49	1
Tetrachloro-m-xylene	94		30 - 124				08/10/21 07:20	08/11/21 12:49	1
Tetrachloro-m-xylene	96		30 - 124				08/10/21 07:20	08/11/21 12:49	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg	☼	08/10/21 14:57	08/11/21 16:40	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	99		60 - 154				08/10/21 14:57	08/11/21 16:40	1
Tetrachloro-m-xylene	101		60 - 154				08/10/21 14:57	08/11/21 16:40	1
DCB Decachlorobiphenyl	111		65 - 174				08/10/21 14:57	08/11/21 16:40	1
DCB Decachlorobiphenyl	97		65 - 174				08/10/21 14:57	08/11/21 16:40	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/12/21 08:43	08/17/21 01:39	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	08/12/21 08:43	08/17/21 01:39	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	60		28 - 129				08/12/21 08:43	08/17/21 01:39	1
2,4-Dichlorophenylacetic acid	58		28 - 129				08/12/21 08:43	08/17/21 01:39	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8080		11.9	5.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Antimony	17.9	U	17.9	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Arsenic	3.5		2.4	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Barium	29.3		0.60	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Beryllium	0.45		0.24	0.033	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Calcium	172000	B	119	7.9	mg/Kg	☼	08/08/21 20:13	08/10/21 20:59	2
Chromium	9.5		0.60	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Cobalt	3.6		0.60	0.060	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Copper	7.7		2.4	0.50	mg/Kg	☼	08/08/21 20:13	08/10/21 20:59	2
Iron	9190		11.9	4.2	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Lead	11.9		1.2	0.29	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Magnesium	14800	B	23.8	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Manganese	251	B	0.24	0.038	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Nickel	8.8		6.0	0.27	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Potassium	3470		35.7	23.8	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.72	J	4.8	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Silver	0.71	U	0.71	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Sodium	142	J	167	15.5	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Thallium	7.1	U	7.1	0.36	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Vanadium	11.3		0.60	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1
Zinc	10.8		2.4	0.76	mg/Kg	☼	08/08/21 20:13	08/10/21 01:58	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	U	0.024	0.0055	mg/Kg	☼	08/17/21 14:40	08/17/21 16:44	1

Client Sample ID: B-21-102 (9-10)(080421)

Lab Sample ID: 480-187977-14

Date Collected: 08/04/21 08:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.6	U	4.6	0.33	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,1,2,2-Tetrachloroethane	4.6	U	4.6	0.74	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.6	U	4.6	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,1,2-Trichloroethane	4.6	U	4.6	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,1-Dichloroethane	4.6	U	4.6	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,1-Dichloroethene	4.6	U	4.6	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2,4-Trichlorobenzene	4.6	U	4.6	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2-Dibromo-3-Chloropropane	4.6	U	4.6	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2-Dibromoethane	4.6	U	4.6	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2-Dichlorobenzene	4.6	U	4.6	0.36	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2-Dichloroethane	4.6	U	4.6	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,2-Dichloropropane	4.6	U	4.6	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,3-Dichlorobenzene	4.6	U	4.6	0.24	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
1,4-Dichlorobenzene	4.6	U	4.6	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
2-Butanone (MEK)	23	U	23	1.7	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Acetone	23	U	23	3.9	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Benzene	4.6	U	4.6	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Bromodichloromethane	4.6	U	4.6	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Bromoform	4.6	U	4.6	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Bromomethane	4.6	U	4.6	0.41	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Carbon disulfide	4.6	U	4.6	2.3	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Carbon tetrachloride	4.6	U	4.6	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Chlorobenzene	4.6	U	4.6	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Chloroethane	4.6	U TH	4.6	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Chloroform	4.6	U	4.6	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Chloromethane	4.6	U TH	4.6	0.28	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
cis-1,2-Dichloroethene	4.6	U	4.6	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
cis-1,3-Dichloropropene	4.6	U	4.6	0.66	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Cyclohexane	4.6	U	4.6	0.64	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Dibromochloromethane	4.6	U	4.6	0.59	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Dichlorodifluoromethane	4.6	U	4.6	0.38	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (9-10)(080421)

Lab Sample ID: 480-187977-14

Date Collected: 08/04/21 08:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 87.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	4.6	U	4.6	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Isopropylbenzene	4.6	U	4.6	0.69	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Methyl tert-butyl ether	4.6	U	4.6	0.45	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Methylcyclohexane	4.6	U	4.6	0.70	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Methylene Chloride	4.6	U	4.6	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Styrene	4.6	U	4.6	0.23	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Tetrachloroethene	4.6	U	4.6	0.61	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Toluene	4.6	U	4.6	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
trans-1,2-Dichloroethene	4.6	U	4.6	0.47	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
trans-1,3-Dichloropropene	4.6	U	4.6	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Trichloroethene	4.6	U	4.6	1.0	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Trichlorofluoromethane	4.6	U	4.6	0.43	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Vinyl chloride	4.6	U TH	4.6	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1
Xylenes, Total	9.2	U	9.2	0.77	ug/Kg	☼	08/05/21 10:15	08/06/21 04:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/05/21 10:15	08/06/21 04:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	119		64 - 126	08/05/21 10:15	08/06/21 04:56	1
4-Bromofluorobenzene (Surr)	98		72 - 126	08/05/21 10:15	08/06/21 04:56	1
Dibromofluoromethane (Surr)	106		60 - 140	08/05/21 10:15	08/06/21 04:56	1
Toluene-d8 (Surr)	101		71 - 125	08/05/21 10:15	08/06/21 04:56	1

Client Sample ID: B-21-112 (0-1)(080421)

Lab Sample ID: 480-187977-15

Date Collected: 08/04/21 12:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.3	U	4.3	0.31	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,1,1,2-Tetrachloroethane	4.3	U	4.3	0.70	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.3	U	4.3	0.98	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,1,2-Trichloroethane	4.3	U	4.3	0.56	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,1-Dichloroethane	4.3	U	4.3	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,1-Dichloroethene	4.3	U	4.3	0.53	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2,4-Trichlorobenzene	4.3	U	4.3	0.26	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2-Dibromo-3-Chloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2-Dibromoethane	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2-Dichlorobenzene	4.3	U	4.3	0.34	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2-Dichloroethane	4.3	U	4.3	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,2-Dichloropropane	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,3-Dichlorobenzene	4.3	U	4.3	0.22	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
1,4-Dichlorobenzene	4.3	U	4.3	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
2-Butanone (MEK)	21	U	21	1.6	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Acetone	21	U	21	3.6	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Benzene	4.3	U	4.3	0.21	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (0-1)(080421)

Lab Sample ID: 480-187977-15

Date Collected: 08/04/21 12:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 89.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	4.3	U	4.3	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Bromoform	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Bromomethane	4.3	U	4.3	0.39	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Carbon disulfide	4.3	U	4.3	2.1	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Carbon tetrachloride	4.3	U	4.3	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Chlorobenzene	4.3	U	4.3	0.57	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Chloroethane	4.3	U TH	4.3	0.97	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Chloroform	4.3	U	4.3	0.27	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Chloromethane	4.3	U TH	4.3	0.26	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
cis-1,2-Dichloroethene	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
cis-1,3-Dichloropropene	4.3	U	4.3	0.62	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Cyclohexane	4.3	U	4.3	0.60	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Dibromochloromethane	4.3	U	4.3	0.55	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Dichlorodifluoromethane	4.3	U	4.3	0.35	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Ethylbenzene	4.3	U	4.3	0.30	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Isopropylbenzene	4.3	U	4.3	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Methyl acetate	21	U	21	2.6	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Methyl tert-butyl ether	4.3	U	4.3	0.42	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Methylcyclohexane	4.3	U	4.3	0.65	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Methylene Chloride	4.3	U	4.3	2.0	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Styrene	4.3	U	4.3	0.21	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Tetrachloroethene	4.3	U	4.3	0.58	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Toluene	4.3	U	4.3	0.32	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
trans-1,2-Dichloroethene	4.3	U	4.3	0.44	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
trans-1,3-Dichloropropene	4.3	U	4.3	1.9	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Trichloroethene	4.3	U	4.3	0.94	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Trichlorofluoromethane	4.3	U	4.3	0.41	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Vinyl chloride	4.3	U TH	4.3	0.52	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1
Xylenes, Total	8.6	U	8.6	0.72	ug/Kg	☼	08/05/21 10:15	08/06/21 05:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/05/21 10:15	08/06/21 05:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	121		64 - 126	08/05/21 10:15	08/06/21 05:20	1
4-Bromofluorobenzene (Surr)	92		72 - 126	08/05/21 10:15	08/06/21 05:20	1
Dibromofluoromethane (Surr)	107		60 - 140	08/05/21 10:15	08/06/21 05:20	1
Toluene-d8 (Surr)	97		71 - 125	08/05/21 10:15	08/06/21 05:20	1

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	180	U	180	31	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
1,4-Dioxane	110	U	110	59	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,3,4,6-Tetrachlorophenol	180	U	180	37	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,4,5-Trichlorophenol	180	U	180	49	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,4,6-Trichlorophenol	180	U	180	36	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1

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Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenol	180	U	180	19	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,4-Dimethylphenol	180	U	180	44	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,4-Dinitrophenol	1800	U	1800	840	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,4-Dinitrotoluene	180	U	180	37	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2,6-Dinitrotoluene	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Chloronaphthalene	180	U	180	30	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Chlorophenol	350	U	350	33	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Methylnaphthalene	180	U	180	36	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Methylphenol	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Nitroaniline	350	U	350	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
2-Nitrophenol	180	U	180	51	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
3,3'-Dichlorobenzidine	350	U	350	210	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
3-Nitroaniline	350	U	350	50	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4,6-Dinitro-2-methylphenol	350	U	350	180	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Bromophenyl phenyl ether	180	U	180	26	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Chloro-3-methylphenol	180	U	180	45	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Chloroaniline	180	U	180	45	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Chlorophenyl phenyl ether	180	U	180	22	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Methylphenol	350	U	350	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Nitroaniline	350	U	350	95	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
4-Nitrophenol	350	U	350	130	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Acenaphthene	180	U	180	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Acenaphthylene	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Acetophenone	180	U	180	25	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Anthracene	180	U	180	45	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Atrazine	180	U	180	63	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzaldehyde	180	U	180	140	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzo[a]anthracene	180	U	180	18	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzo[a]pyrene	180	U	180	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzo[b]fluoranthene	180	U	180	29	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzo[g,h,i]perylene	180	U	180	19	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Benzo[k]fluoranthene	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Biphenyl	180	U	180	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
bis (2-chloroisopropyl) ether	180	U	180	36	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Bis(2-chloroethoxy)methane	180	U	180	39	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Bis(2-chloroethyl)ether	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Bis(2-ethylhexyl) phthalate	180	U	180	62	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Butyl benzyl phthalate	180	U	180	30	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Caprolactam	180	U	180	55	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Carbazole	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Chrysene	180	U	180	41	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Dibenz(a,h)anthracene	180	U	180	32	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Dibenzofuran	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Diethyl phthalate	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Dimethyl phthalate	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Di-n-butyl phthalate	180	U	180	31	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Di-n-octyl phthalate	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Fluoranthene	180	U	180	19	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Fluorene	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobenzene	180	U	180	25	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Hexachlorobutadiene	180	U	180	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Hexachlorocyclopentadiene	180	U	180	25	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Hexachloroethane	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Indeno[1,2,3-cd]pyrene	180	U	180	22	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Isophorone	180	U	180	39	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Naphthalene	180	U	180	24	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Nitrobenzene	180	U	180	20	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
N-Nitrosodi-n-propylamine	180	U	180	31	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
N-Nitrosodiphenylamine	180	U	180	150	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Pentachlorophenol	350	U	350	180	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Phenanthrene	180	U	180	27	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Phenol	180	U	180	28	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1
Pyrene	180	U	180	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:27	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	220	T J	ug/Kg	☼	3.01		08/05/21 14:45	08/06/21 17:27	1
Tridecane	160	T J N	ug/Kg	☼	7.72	629-50-5	08/05/21 14:45	08/06/21 17:27	1
Erucylamide	170	T J N	ug/Kg	☼	13.71	112-84-5	08/05/21 14:45	08/06/21 17:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	91		54 - 120	08/05/21 14:45	08/06/21 17:27	1
2-Fluorobiphenyl (Surr)	85		60 - 120	08/05/21 14:45	08/06/21 17:27	1
2-Fluorophenol (Surr)	72		52 - 120	08/05/21 14:45	08/06/21 17:27	1
Nitrobenzene-d5 (Surr)	79		53 - 120	08/05/21 14:45	08/06/21 17:27	1
Phenol-d5 (Surr)	77		54 - 120	08/05/21 14:45	08/06/21 17:27	1
p-Terphenyl-d14 (Surr)	95		79 - 130	08/05/21 14:45	08/06/21 17:27	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.8	U	1.8	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
4,4'-DDE	1.8	U	1.8	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
4,4'-DDT	1.8	U	1.8	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Aldrin	1.8	U	1.8	0.44	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
alpha-BHC	1.8	U	1.8	0.32	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
beta-BHC	1.8	U	1.8	0.32	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
cis-Chlordane	1.8	U	1.8	0.89	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
delta-BHC	1.8	U	1.8	0.33	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Dieldrin	1.8	U	1.8	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endosulfan I	1.8	U	1.8	0.34	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endosulfan II	1.8	U	1.8	0.32	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endosulfan sulfate	1.8	U	1.8	0.33	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endrin	1.8	U	1.8	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endrin aldehyde	0.85	J	1.8	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Endrin ketone	1.8	U	1.8	0.44	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
gamma-BHC (Lindane)	0.53	J B	1.8	0.33	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Heptachlor	1.8	U	1.8	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Heptachlor epoxide	1.8	U	1.8	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Methoxychlor	1.8	U	1.8	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Toxaphene	18	U	18	10	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	4.1		1.8	0.57	ug/Kg	☼	08/10/21 07:20	08/11/21 13:09	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	83		45 - 120				08/10/21 07:20	08/11/21 13:09	1
DCB Decachlorobiphenyl	103		45 - 120				08/10/21 07:20	08/11/21 13:09	1
Tetrachloro-m-xylene	87		30 - 124				08/10/21 07:20	08/11/21 13:09	1
Tetrachloro-m-xylene	101		30 - 124				08/10/21 07:20	08/11/21 13:09	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.21	U	0.21	0.042	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1221	0.21	U	0.21	0.042	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1232	0.21	U	0.21	0.042	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1242	0.21	U	0.21	0.042	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1248	0.21	U	0.21	0.042	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1254	0.21	U	0.21	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
PCB-1260	0.21	U	0.21	0.10	mg/Kg	☼	08/10/21 14:57	08/11/21 16:53	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	111		60 - 154				08/10/21 14:57	08/11/21 16:53	1
Tetrachloro-m-xylene	111		60 - 154				08/10/21 14:57	08/11/21 16:53	1
DCB Decachlorobiphenyl	128		65 - 174				08/10/21 14:57	08/11/21 16:53	1
DCB Decachlorobiphenyl	112		65 - 174				08/10/21 14:57	08/11/21 16:53	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	18	U	18	11	ug/Kg	☼	08/12/21 08:43	08/17/21 05:36	1
Silvex (2,4,5-TP)	18	U	18	6.5	ug/Kg	☼	08/12/21 08:43	08/17/21 05:36	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	69		28 - 129				08/12/21 08:43	08/17/21 05:36	1
2,4-Dichlorophenylacetic acid	75		28 - 129				08/12/21 08:43	08/17/21 05:36	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6270		10.4	4.6	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Antimony	15.6	U	15.6	0.42	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Arsenic	5.9		2.1	0.42	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Barium	9.1		0.52	0.11	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Beryllium	0.40		0.21	0.029	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Cadmium	0.21	U	0.21	0.031	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Calcium	149000	B	104	6.9	mg/Kg	☼	08/08/21 20:13	08/10/21 21:03	2
Chromium	8.2		0.52	0.21	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Cobalt	5.3		0.52	0.052	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Copper	7.1		2.1	0.44	mg/Kg	☼	08/08/21 20:13	08/10/21 21:03	2
Iron	10400		10.4	3.6	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Lead	19.5		1.0	0.25	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Magnesium	41800	B	20.9	0.97	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Manganese	266	B	0.21	0.033	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Nickel	11.4		5.2	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Potassium	3860		31.3	20.9	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	0.56	J	4.2	0.42	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Silver	0.63	U	0.63	0.21	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Sodium	169		146	13.6	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Thallium	6.3	U	6.3	0.31	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Vanadium	9.1		0.52	0.11	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1
Zinc	7.6		2.1	0.67	mg/Kg	☼	08/08/21 20:13	08/10/21 02:13	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.024	U	0.024	0.0055	mg/Kg	☼	08/17/21 14:40	08/17/21 16:46	1

Client Sample ID: B-21-112 (5-6)(080421)

Lab Sample ID: 480-187977-17

Date Collected: 08/04/21 12:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.1	U	5.1	0.37	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,1,2,2-Tetrachloroethane	5.1	U	5.1	0.83	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.1	U	5.1	1.2	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,1,2-Trichloroethane	5.1	U	5.1	0.66	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,1-Dichloroethane	5.1	U	5.1	0.62	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,1-Dichloroethene	5.1	U	5.1	0.63	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2,4-Trichlorobenzene	5.1	U	5.1	0.31	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2-Dibromo-3-Chloropropane	5.1	U	5.1	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2-Dibromoethane	5.1	U	5.1	0.66	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2-Dichlorobenzene	5.1	U	5.1	0.40	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2-Dichloroethane	5.1	U	5.1	0.26	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,2-Dichloropropane	5.1	U	5.1	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,3-Dichlorobenzene	5.1	U	5.1	0.26	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
1,4-Dichlorobenzene	5.1	U	5.1	0.72	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
2-Butanone (MEK)	6.0	J	26	1.9	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Acetone	36		26	4.3	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Benzene	5.1	U	5.1	0.25	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Bromodichloromethane	5.1	U	5.1	0.68	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Bromoform	5.1	U	5.1	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Bromomethane	5.1	U	5.1	0.46	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Carbon disulfide	5.1	U	5.1	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Carbon tetrachloride	5.1	U	5.1	0.49	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Chlorobenzene	5.1	U	5.1	0.67	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Chloroethane	5.1	U	5.1	1.2	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Chloroform	5.1	U	5.1	0.32	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Chloromethane	5.1	U	5.1	0.31	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
cis-1,2-Dichloroethene	5.1	U	5.1	0.65	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
cis-1,3-Dichloropropene	5.1	U	5.1	0.74	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Cyclohexane	5.1	U	5.1	0.72	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Dibromochloromethane	5.1	U	5.1	0.65	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Dichlorodifluoromethane	5.1	U	5.1	0.42	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1

Eurolins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (5-6)(080421)

Lab Sample ID: 480-187977-17

Date Collected: 08/04/21 12:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	5.1	U	5.1	0.35	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Isopropylbenzene	5.1	U	5.1	0.77	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Methyl acetate	26	U	26	3.1	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Methyl tert-butyl ether	5.1	U	5.1	0.50	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Methylcyclohexane	1.2	J	5.1	0.78	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Methylene Chloride	5.1	U	5.1	2.4	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Styrene	5.1	U	5.1	0.26	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Tetrachloroethene	5.1	U	5.1	0.69	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Toluene	0.81	J	5.1	0.39	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
trans-1,2-Dichloroethene	5.1	U	5.1	0.53	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
trans-1,3-Dichloropropene	5.1	U	5.1	2.2	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Trichloroethene	5.0	J	5.1	1.1	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Trichlorofluoromethane	5.1	U	5.1	0.48	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Vinyl chloride	5.1	U	5.1	0.62	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1
Xylenes, Total	10	U	10	0.86	ug/Kg	☼	08/05/21 10:15	08/09/21 20:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Octane	5.8	T J N	ug/Kg	☼	6.90	111-65-9	08/05/21 10:15	08/09/21 20:52	1
Unknown	8.0	T J	ug/Kg	☼	7.94		08/05/21 10:15	08/09/21 20:52	1
column bleed	17	T J	ug/Kg	☼	9.64		08/05/21 10:15	08/09/21 20:52	1
Decane	7.2	T J N	ug/Kg	☼	9.90	124-18-5	08/05/21 10:15	08/09/21 20:52	1
Unknown	5.5	T J	ug/Kg	☼	11.40		08/05/21 10:15	08/09/21 20:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	98		64 - 126	08/05/21 10:15	08/09/21 20:52	1
4-Bromofluorobenzene (Surr)	101		72 - 126	08/05/21 10:15	08/09/21 20:52	1
Dibromofluoromethane (Surr)	103		60 - 140	08/05/21 10:15	08/09/21 20:52	1
Toluene-d8 (Surr)	105		71 - 125	08/05/21 10:15	08/09/21 20:52	1

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	33	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
1,4-Dioxane	120	U	120	63	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,3,4,6-Tetrachlorophenol	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4,5-Trichlorophenol	200	U	200	53	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4,6-Trichlorophenol	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4-Dimethylphenol	200	U	200	47	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4-Dinitrophenol	1900	U	1900	900	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,4-Dinitrotoluene	200	U	200	40	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2-Chloronaphthalene	200	U	200	32	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2-Chlorophenol	380	U	380	36	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2-Methylnaphthalene	200	U	200	39	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
2-Nitroaniline	380	U	380	29	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	200	U	200	55	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
3,3'-Dichlorobenzidine	380	U	380	230	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
3-Nitroaniline	380	U	380	54	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4,6-Dinitro-2-methylphenol	380	U	380	200	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Chloro-3-methylphenol	200	U	200	48	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Chloroaniline	200	U	200	48	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Chlorophenyl phenyl ether	200	U	200	24	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Methylphenol	380	U	380	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Nitroaniline	380	U	380	100	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
4-Nitrophenol	380	U	380	140	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Acenaphthene	200	U	200	29	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Acenaphthylene	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Acetophenone	200	U	200	26	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Anthracene	200	U	200	48	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Atrazine	200	U	200	68	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzaldehyde	200	U	200	160	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzo[b]fluoranthene	200	U	200	31	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Benzo[k]fluoranthene	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Biphenyl	200	U	200	29	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
bis (2-chloroisopropyl) ether	200	U	200	39	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Bis(2-chloroethoxy)methane	200	U	200	41	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Bis(2-chloroethyl)ether	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Bis(2-ethylhexyl) phthalate	200	U	200	67	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Butyl benzyl phthalate	200	U	200	32	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Caprolactam	200	U	200	59	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Carbazole	200	U	200	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Chrysene	200	U	200	44	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Dibenzofuran	200	U	200	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Diethyl phthalate	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Dimethyl phthalate	200	U	200	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Di-n-butyl phthalate	200	U	200	33	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Fluoranthene	200	U	200	21	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Fluorene	200	U	200	23	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Hexachlorobenzene	200	U	200	26	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Hexachlorocyclopentadiene	200	U	200	26	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Hexachloroethane	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Indeno[1,2,3-cd]pyrene	200	U	200	24	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Isophorone	200	U	200	41	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Naphthalene	200	U	200	25	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
Nitrobenzene	200	U	200	22	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
N-Nitrosodi-n-propylamine	200	U	200	33	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	✳	08/05/21 14:45	08/06/21 17:52	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	380	U	380	200	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
Phenol	200	U	200	30	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1
Pyrene	200	U	200	23	ug/Kg	☼	08/05/21 14:45	08/06/21 17:52	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	300	T J	ug/Kg	☼	3.04		08/05/21 14:45	08/06/21 17:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	97		54 - 120	08/05/21 14:45	08/06/21 17:52	1
2-Fluorobiphenyl (Surr)	90		60 - 120	08/05/21 14:45	08/06/21 17:52	1
2-Fluorophenol (Surr)	77		52 - 120	08/05/21 14:45	08/06/21 17:52	1
Nitrobenzene-d5 (Surr)	81		53 - 120	08/05/21 14:45	08/06/21 17:52	1
Phenol-d5 (Surr)	83		54 - 120	08/05/21 14:45	08/06/21 17:52	1
p-Terphenyl-d14 (Surr)	97		79 - 130	08/05/21 14:45	08/06/21 17:52	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
alpha-BHC	0.60	J	1.9	0.34	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
beta-BHC	0.77	J	1.9	0.34	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
delta-BHC	0.75	J	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Dieldrin	0.53	J	1.9	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endosulfan sulfate	0.38	J	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endrin aldehyde	1.9	U	1.9	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
gamma-BHC (Lindane)	0.71	J B	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Heptachlor	1.9	U	1.9	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Methoxychlor	1.3	J	1.9	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1
trans-Chlordane	1.9	U	1.9	0.61	ug/Kg	☼	08/10/21 07:20	08/11/21 17:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	102		45 - 120	08/10/21 07:20	08/11/21 17:03	1
DCB Decachlorobiphenyl	129	TH	45 - 120	08/10/21 07:20	08/11/21 17:03	1
Tetrachloro-m-xylene	105		30 - 124	08/10/21 07:20	08/11/21 17:03	1
Tetrachloro-m-xylene	102		30 - 124	08/10/21 07:20	08/11/21 17:03	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.038	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1
PCB-1221	0.20	U	0.20	0.038	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1
PCB-1232	0.20	U	0.20	0.038	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 86.4

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1242	0.20	U	0.20	0.038	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1
PCB-1248	0.20	U	0.20	0.038	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1
PCB-1254	0.20	U	0.20	0.092	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1
PCB-1260	0.20	U	0.20	0.092	mg/Kg	☼	08/10/21 14:57	08/11/21 17:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	111		60 - 154	08/10/21 14:57	08/11/21 17:06	1
Tetrachloro-m-xylene	113		60 - 154	08/10/21 14:57	08/11/21 17:06	1
DCB Decachlorobiphenyl	131		65 - 174	08/10/21 14:57	08/11/21 17:06	1
DCB Decachlorobiphenyl	113		65 - 174	08/10/21 14:57	08/11/21 17:06	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	08/12/21 08:43	08/17/21 02:38	1
Silvex (2,4,5-TP)	19	U	19	6.8	ug/Kg	☼	08/12/21 08:43	08/17/21 02:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	42		28 - 129	08/12/21 08:43	08/17/21 02:38	1
2,4-Dichlorophenylacetic acid	46		28 - 129	08/12/21 08:43	08/17/21 02:38	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7910		11.4	5.0	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Antimony	17.1	U	17.1	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Arsenic	4.7		2.3	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Barium	13.4		0.57	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Beryllium	0.46		0.23	0.032	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Cadmium	0.23	U	0.23	0.034	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Calcium	129000	B	114	7.5	mg/Kg	☼	08/08/21 20:13	08/10/21 21:06	2
Chromium	9.9		0.57	0.23	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Cobalt	4.7		0.57	0.057	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Copper	6.8		2.3	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 21:06	2
Iron	11200		11.4	4.0	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Lead	16.6		1.1	0.27	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Magnesium	37800	B	22.9	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Manganese	249	B	0.23	0.037	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Nickel	10.7		5.7	0.26	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Potassium	4240		34.3	22.9	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Selenium	4.6	U	4.6	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Silver	0.69	U	0.69	0.23	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Sodium	149	J	160	14.9	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Thallium	6.9	U	6.9	0.34	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Vanadium	11.1		0.57	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1
Zinc	8.5		2.3	0.73	mg/Kg	☼	08/08/21 20:13	08/10/21 02:16	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0048	mg/Kg	☼	08/17/21 14:40	08/17/21 16:47	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (8-9)(080421)

Lab Sample ID: 480-187977-19

Date Collected: 08/04/21 13:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 80.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U	5.7	0.41	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,1,2,2-Tetrachloroethane	5.7	U	5.7	0.92	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	5.7	1.3	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,1,2-Trichloroethane	5.7	U	5.7	0.74	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,1-Dichloroethane	5.7	U	5.7	0.69	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,1-Dichloroethene	5.7	U	5.7	0.69	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2,4-Trichlorobenzene	5.7	U	5.7	0.34	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2-Dibromo-3-Chloropropane	5.7	U	5.7	2.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2-Dibromoethane	5.7	U	5.7	0.73	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2-Dichlorobenzene	5.7	U	5.7	0.44	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2-Dichloroethane	5.7	U	5.7	0.28	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,2-Dichloropropane	5.7	U	5.7	2.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,3-Dichlorobenzene	5.7	U	5.7	0.29	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
1,4-Dichlorobenzene	5.7	U	5.7	0.79	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
2-Butanone (MEK)	28	U	28	2.1	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
2-Hexanone	28	U	28	2.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
4-Methyl-2-pentanone (MIBK)	28	U	28	1.9	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Acetone	23	J	28	4.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Benzene	5.7	U	5.7	0.28	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Bromodichloromethane	5.7	U	5.7	0.76	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Bromoform	5.7	U	5.7	2.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Bromomethane	5.7	U	5.7	0.51	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Carbon disulfide	5.7	U	5.7	2.8	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Carbon tetrachloride	5.7	U	5.7	0.55	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Chlorobenzene	5.7	U	5.7	0.75	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Chloroethane	5.7	U	5.7	1.3	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Chloroform	5.7	U	5.7	0.35	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Chloromethane	5.7	U	5.7	0.34	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
cis-1,2-Dichloroethene	5.7	U	5.7	0.72	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
cis-1,3-Dichloropropene	5.7	U	5.7	0.82	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Cyclohexane	5.7	U	5.7	0.79	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Dibromochloromethane	5.7	U	5.7	0.72	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Dichlorodifluoromethane	5.7	U	5.7	0.47	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Ethylbenzene	5.7	U	5.7	0.39	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Isopropylbenzene	5.7	U	5.7	0.85	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Methyl acetate	28	U	28	3.4	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Methyl tert-butyl ether	5.7	U	5.7	0.56	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Methylcyclohexane	0.87	J	5.7	0.86	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Methylene Chloride	5.7	U	5.7	2.6	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Styrene	5.7	U	5.7	0.28	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Tetrachloroethene	5.7	U	5.7	0.76	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Toluene	0.75	J	5.7	0.43	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
trans-1,2-Dichloroethene	5.7	U	5.7	0.58	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
trans-1,3-Dichloropropene	5.7	U	5.7	2.5	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Trichloroethene	4.2	J	5.7	1.2	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Trichlorofluoromethane	5.7	U	5.7	0.54	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Vinyl chloride	5.7	U	5.7	0.69	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1
Xylenes, Total	11	U	11	0.95	ug/Kg	☼	08/05/21 10:15	08/09/21 21:16	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (8-9)(080421)

Lab Sample ID: 480-187977-19

Date Collected: 08/04/21 13:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 80.4

<u>Tentatively Identified Compound</u>	<u>Est. Result</u>	<u>Qualifier</u>	<u>Unit</u>	<u>D</u>	<u>RT</u>	<u>CAS No.</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
column bleed	13	TJ	ug/Kg	☼	9.64		08/05/21 10:15	08/09/21 21:16	1
<u>Surrogate</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>				<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
1,2-Dichloroethane-d4 (Surr)	101		64 - 126				08/05/21 10:15	08/09/21 21:16	1
4-Bromofluorobenzene (Surr)	101		72 - 126				08/05/21 10:15	08/09/21 21:16	1
Dibromofluoromethane (Surr)	104		60 - 140				08/05/21 10:15	08/09/21 21:16	1
Toluene-d8 (Surr)	102		71 - 125				08/05/21 10:15	08/09/21 21:16	1



Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-187977-1	B-21-110 (4-5)(080321)	121	88	108	100
480-187977-4	B-21-110 (10-11)(080321)	118	87	104	98
480-187977-5	B-21-103 (2-3)(080321)	120	89	109	99
480-187977-7	B-21-103 (5-6)(080321)	116	93	105	100
480-187977-8	B-21-103 (8-9)(080321)	119	89	103	98
480-187977-11	B-21-102 (1-2)(080421)	122	95	106	97
480-187977-12	B-21-102 (2-3)(080421)	118	97	106	98
480-187977-14	B-21-102 (9-10)(080421)	119	98	106	101
480-187977-15	B-21-112 (0-1)(080421)	121	92	107	97
480-187977-17	B-21-112 (5-6)(080421)	98	101	103	105
480-187977-19	B-21-112 (8-9)(080421)	101	101	104	102
LCS 480-591949/1-A	Lab Control Sample	106	94	98	99
LCS 480-592250/1-A	Lab Control Sample	100	101	100	99
MB 480-591949/2-A	Method Blank	107	89	100	99
MB 480-592250/2-A	Method Blank	100	105	103	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-187977-2	B-21-110 (6-7)(080321)	87	84	73	75	78	94
480-187977-3	B-21-110 (11-12)(080321)	93	89	78	78	83	96
480-187977-6	B-21-103 (4-5)(080321)	94	91	82	82	88	96
480-187977-9	B-21-103 (12-13)(080321)	90	90	81	85	84	99
480-187977-10	B-21-102 (0-1)(080421)	94	87	75	78	80	97
480-187977-13	B-21-102 (5-6)(080421)	92	88	82	80	85	93
480-187977-16	B-21-112 (3-4)(080421)	91	85	72	79	77	95
480-187977-18	B-21-112 (6-7)(080421)	97	90	77	81	83	97
LCS 480-591915/2-A	Lab Control Sample	111	104	88	92	92	108
MB 480-591915/1-A	Method Blank	99	93	82	86	89	106

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-187977-2	B-21-110 (6-7)(080321)	76	118	103	110
480-187977-3	B-21-110 (11-12)(080321)	73	116	84	97
480-187977-6	B-21-103 (4-5)(080321)	93	120	95	113
480-187977-9	B-21-103 (12-13)(080321)	95	120	90	117
480-187977-9 MS	B-21-103 (12-13)(080321)	89	120	93	117
480-187977-9 MSD	B-21-103 (12-13)(080321)	97	124 TH	101	107
480-187977-10	B-21-102 (0-1)(080421)	89	116	112	112
480-187977-13	B-21-102 (5-6)(080421)	76	119	94	96
480-187977-16	B-21-112 (3-4)(080421)	83	103	87	101
480-187977-18	B-21-112 (6-7)(080421)	102	129 TH	105	102
LCS 480-592259/2-A	Lab Control Sample	82	108	75	88
MB 480-592259/1-A	Method Blank	78	100	75	79

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-187977-2	B-21-110 (6-7)(080321)	93	94	97	112
480-187977-2 MS	B-21-110 (6-7)(080321)	106	106	111	133
480-187977-2 MSD	B-21-110 (6-7)(080321)	110	110	113	134
480-187977-3	B-21-110 (11-12)(080321)	95	94	96	112
480-187977-6	B-21-103 (4-5)(080321)	96	96	97	109
480-187977-9	B-21-103 (12-13)(080321)	98	96	98	111
480-187977-10	B-21-102 (0-1)(080421)	104	103	105	119
480-187977-13	B-21-102 (5-6)(080421)	101	99	97	111
480-187977-16	B-21-112 (3-4)(080421)	111	111	112	128
480-187977-18	B-21-112 (6-7)(080421)	113	111	113	131
LCS 480-592383/2-A	Lab Control Sample	133	131	132	161
MB 480-592383/1-A	Method Blank	113	98	98	121

Surrogate Legend

TCX = Tetrachloro-m-xylene

DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-187977-2	B-21-110 (6-7)(080321)	54	57
480-187977-3	B-21-110 (11-12)(080321)	64	66
480-187977-6	B-21-103 (4-5)(080321)	62	63
480-187977-9	B-21-103 (12-13)(080321)	61	67
480-187977-10	B-21-102 (0-1)(080421)	53	62
480-187977-10 MS	B-21-102 (0-1)(080421)	67	75

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8151A - Herbicides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCPAA1 (28-129)	DCPAA2 (28-129)
480-187977-10 MSD	B-21-102 (0-1)(080421)	64	66
480-187977-13	B-21-102 (5-6)(080421)	60	58
480-187977-16	B-21-112 (3-4)(080421)	69	75
480-187977-18	B-21-112 (6-7)(080421)	42	46
LCS 480-592643/2-A	Lab Control Sample	74	78
MB 480-592643/1-A	Method Blank	71	74

Surrogate Legend

DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-591949/2-A

Matrix: Solid

Analysis Batch: 591954

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591949

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Acetone	25	U	25	4.2	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/05/21 17:00	08/05/21 21:10	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/05/21 17:00	08/05/21 21:10	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-591949/2-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591949

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>107</i>		<i>64 - 126</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>89</i>		<i>72 - 126</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>100</i>		<i>60 - 140</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>	<i>08/05/21 17:00</i>	<i>08/05/21 21:10</i>	<i>1</i>

Lab Sample ID: LCS 480-591949/1-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591949

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	53.8		ug/Kg		108	77 - 121
1,1,2,2-Tetrachloroethane	50.0	55.3		ug/Kg		111	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	43.4		ug/Kg		87	60 - 140
1,1,2-Trichloroethane	50.0	55.0		ug/Kg		110	78 - 122
1,1-Dichloroethane	50.0	53.8		ug/Kg		108	73 - 126
1,1-Dichloroethene	50.0	48.6		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	50.0	47.5		ug/Kg		95	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	56.1		ug/Kg		112	63 - 124
1,2-Dibromoethane	50.0	53.1		ug/Kg		106	78 - 120
1,2-Dichlorobenzene	50.0	53.2		ug/Kg		106	75 - 120
1,2-Dichloroethane	50.0	55.2		ug/Kg		110	77 - 122
1,2-Dichloropropane	50.0	51.2		ug/Kg		102	75 - 124
1,3-Dichlorobenzene	50.0	55.2		ug/Kg		110	74 - 120
1,4-Dichlorobenzene	50.0	55.3		ug/Kg		111	73 - 120
2-Butanone (MEK)	250	248		ug/Kg		99	70 - 134
2-Hexanone	250	286		ug/Kg		114	59 - 130
4-Methyl-2-pentanone (MIBK)	250	273		ug/Kg		109	65 - 133
Acetone	250	231		ug/Kg		93	61 - 137
Benzene	50.0	52.2		ug/Kg		104	79 - 127
Bromodichloromethane	50.0	58.4		ug/Kg		117	80 - 122
Bromoform	50.0	54.7		ug/Kg		109	68 - 126
Bromomethane	50.0	66.2		ug/Kg		132	37 - 149
Carbon disulfide	50.0	44.9		ug/Kg		90	64 - 131
Carbon tetrachloride	50.0	57.3		ug/Kg		115	75 - 135
Chlorobenzene	50.0	53.0		ug/Kg		106	76 - 124
Chloroethane	50.0	73.1	TH	ug/Kg		146	69 - 135
Chloroform	50.0	53.6		ug/Kg		107	80 - 120
Chloromethane	50.0	64.6	TH	ug/Kg		129	63 - 127
cis-1,2-Dichloroethene	50.0	50.5		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	54.0		ug/Kg		108	80 - 120
Cyclohexane	50.0	41.4		ug/Kg		83	65 - 120
Dibromochloromethane	50.0	61.1		ug/Kg		122	76 - 125
Dichlorodifluoromethane	50.0	35.6		ug/Kg		71	57 - 142
Ethylbenzene	50.0	55.2		ug/Kg		110	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-591949/1-A
Matrix: Solid
Analysis Batch: 591954

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	53.4		ug/Kg		107	72 - 120
Methyl acetate	100	95.7		ug/Kg		96	55 - 136
Methyl tert-butyl ether	50.0	47.8		ug/Kg		96	63 - 125
Methylcyclohexane	50.0	46.1		ug/Kg		92	60 - 140
Methylene Chloride	50.0	52.8		ug/Kg		106	61 - 127
Styrene	50.0	53.4		ug/Kg		107	80 - 120
Tetrachloroethene	50.0	50.4		ug/Kg		101	74 - 122
Toluene	50.0	53.5		ug/Kg		107	74 - 128
trans-1,2-Dichloroethene	50.0	52.2		ug/Kg		104	78 - 126
Trichloroethene	50.0	50.4		ug/Kg		101	77 - 129
Trichlorofluoromethane	50.0	49.9		ug/Kg		100	65 - 146
Vinyl chloride	50.0	67.5	TH	ug/Kg		135	61 - 133
Xylenes, Total	100	107		ug/Kg		107	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	106		64 - 126
4-Bromofluorobenzene (Surr)	94		72 - 126
Dibromofluoromethane (Surr)	98		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Lab Sample ID: MB 480-592250/2-A
Matrix: Solid
Analysis Batch: 592236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Acetone	25	U	25	4.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592250/2-A
Matrix: Solid
Analysis Batch: 592236

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592250

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroform	0.325	J	5.0	0.31	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/09/21 18:45	08/09/21 20:16	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg				08/09/21 18:45	08/09/21 20:16	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	08/09/21 18:45	08/09/21 20:16	1
4-Bromofluorobenzene (Surr)	105		72 - 126	08/09/21 18:45	08/09/21 20:16	1
Dibromofluoromethane (Surr)	103		60 - 140	08/09/21 18:45	08/09/21 20:16	1
Toluene-d8 (Surr)	99		71 - 125	08/09/21 18:45	08/09/21 20:16	1

Lab Sample ID: LCS 480-592250/1-A
Matrix: Solid
Analysis Batch: 592236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
1,1,1-Trichloroethane	50.0	49.9		ug/Kg		100	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.4		ug/Kg		95	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.1		ug/Kg		98	60 - 140
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	50.3		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592250/1-A
Matrix: Solid
Analysis Batch: 592236

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	48.7		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	49.2		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.8		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	50.0		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	230		ug/Kg		92	70 - 134
2-Hexanone	250	237		ug/Kg		95	59 - 130
4-Methyl-2-pentanone (MIBK)	250	217		ug/Kg		87	65 - 133
Acetone	250	230		ug/Kg		92	61 - 137
Benzene	50.0	50.9		ug/Kg		102	79 - 127
Bromodichloromethane	50.0	51.2		ug/Kg		102	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	53.8		ug/Kg		108	37 - 149
Carbon disulfide	50.0	50.5		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	51.1		ug/Kg		102	75 - 135
Chlorobenzene	50.0	51.3		ug/Kg		103	76 - 124
Chloroethane	50.0	52.2		ug/Kg		104	69 - 135
Chloroform	50.0	48.7		ug/Kg		97	80 - 120
Chloromethane	50.0	48.3		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	51.8		ug/Kg		104	80 - 120
Cyclohexane	50.0	46.5		ug/Kg		93	65 - 120
Dibromochloromethane	50.0	51.9		ug/Kg		104	76 - 125
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	57 - 142
Ethylbenzene	50.0	50.4		ug/Kg		101	80 - 120
Isopropylbenzene	50.0	50.0		ug/Kg		100	72 - 120
Methyl acetate	100	86.9		ug/Kg		87	55 - 136
Methyl tert-butyl ether	50.0	46.8		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	49.1		ug/Kg		98	60 - 140
Methylene Chloride	50.0	49.4		ug/Kg		99	61 - 127
Styrene	50.0	50.2		ug/Kg		100	80 - 120
Tetrachloroethene	50.0	51.3		ug/Kg		103	74 - 122
Toluene	50.0	50.8		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	50.9		ug/Kg		102	78 - 126
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	50.2		ug/Kg		100	65 - 146
Vinyl chloride	50.0	51.2		ug/Kg		102	61 - 133
Xylenes, Total	100	100		ug/Kg		100	70 - 130

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	99		71 - 125

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-591915/1-A

Matrix: Solid

Analysis Batch: 592006

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 591915

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
1,4-Dioxane	99	U	99	55	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4-Dinitrophenol	1600	U	1600	780	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Chlorophenol	330	U	330	31	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Methylphenol	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Nitroaniline	330	U	330	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
2-Nitrophenol	170	U	170	48	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
3-Nitroaniline	330	U	330	47	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Chloroaniline	170	U	170	42	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Methylphenol	330	U	330	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Nitroaniline	330	U	330	88	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
4-Nitrophenol	330	U	330	120	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Acenaphthene	170	U	170	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Acenaphthylene	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Acetophenone	170	U	170	23	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Anthracene	170	U	170	42	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Atrazine	170	U	170	59	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzaldehyde	170	U	170	130	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Biphenyl	170	U	170	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Caprolactam	170	U	170	51	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Carbazole	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Chrysene	170	U	170	38	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Dibenzofuran	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-591915/1-A
Matrix: Solid
Analysis Batch: 592006

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 591915

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Dimethyl phthalate	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Fluoranthene	170	U	170	18	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Fluorene	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Hexachlorobenzene	170	U	170	23	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Hexachloroethane	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Isophorone	170	U	170	36	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Naphthalene	170	U	170	22	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Nitrobenzene	170	U	170	19	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Pentachlorophenol	330	U	330	170	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Phenanthrene	170	U	170	25	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Phenol	170	U	170	26	ug/Kg		08/05/21 14:45	08/06/21 10:59	1
Pyrene	170	U	170	20	ug/Kg		08/05/21 14:45	08/06/21 10:59	1

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	274	T J	ug/Kg		3.03		08/05/21 14:45	08/06/21 10:59	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	99		54 - 120	08/05/21 14:45	08/06/21 10:59	1
2-Fluorobiphenyl (Surr)	93		60 - 120	08/05/21 14:45	08/06/21 10:59	1
2-Fluorophenol (Surr)	82		52 - 120	08/05/21 14:45	08/06/21 10:59	1
Nitrobenzene-d5 (Surr)	86		53 - 120	08/05/21 14:45	08/06/21 10:59	1
Phenol-d5 (Surr)	89		54 - 120	08/05/21 14:45	08/06/21 10:59	1
p-Terphenyl-d14 (Surr)	106		79 - 130	08/05/21 14:45	08/06/21 10:59	1

Lab Sample ID: LCS 480-591915/2-A
Matrix: Solid
Analysis Batch: 592006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591915

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1640	1670		ug/Kg		101	59 - 125
1,4-Dioxane	1640	821		ug/Kg		50	23 - 120
2,3,4,6-Tetrachlorophenol	1640	1780		ug/Kg		108	64 - 120
2,4,5-Trichlorophenol	1640	1820		ug/Kg		111	59 - 126
2,4,6-Trichlorophenol	1640	1780		ug/Kg		108	59 - 123
2,4-Dichlorophenol	1640	1760		ug/Kg		107	61 - 120
2,4-Dimethylphenol	1640	1760		ug/Kg		107	59 - 120
2,4-Dinitrophenol	3280	3360		ug/Kg		102	41 - 146
2,4-Dinitrotoluene	1640	1860		ug/Kg		113	63 - 120
2,6-Dinitrotoluene	1640	1760		ug/Kg		107	66 - 120
2-Chloronaphthalene	1640	1630		ug/Kg		99	57 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-591915/2-A
Matrix: Solid
Analysis Batch: 592006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	1640	1560		ug/Kg		95	53 - 120
2-Methylnaphthalene	1640	1690		ug/Kg		103	59 - 120
2-Methylphenol	1640	1620		ug/Kg		99	54 - 120
2-Nitroaniline	1640	1690		ug/Kg		103	61 - 120
2-Nitrophenol	1640	1610		ug/Kg		98	56 - 120
3,3'-Dichlorobenzidine	3280	2960		ug/Kg		90	54 - 120
3-Nitroaniline	1640	1610		ug/Kg		98	48 - 120
4,6-Dinitro-2-methylphenol	3280	3610		ug/Kg		110	49 - 122
4-Bromophenyl phenyl ether	1640	1800		ug/Kg		110	58 - 120
4-Chloro-3-methylphenol	1640	1810		ug/Kg		110	61 - 120
4-Chloroaniline	1640	1620		ug/Kg		99	38 - 120
4-Chlorophenyl phenyl ether	1640	1790		ug/Kg		109	63 - 124
4-Methylphenol	1640	1680		ug/Kg		102	55 - 120
4-Nitroaniline	1640	1790		ug/Kg		109	56 - 120
4-Nitrophenol	3280	3980		ug/Kg		121	43 - 147
Acenaphthene	1640	1660		ug/Kg		101	62 - 120
Acenaphthylene	1640	1810		ug/Kg		110	58 - 121
Acetophenone	1640	1610		ug/Kg		98	54 - 120
Anthracene	1640	1850		ug/Kg		113	62 - 120
Atrazine	3280	3710		ug/Kg		113	60 - 127
Benzaldehyde	3280	1990		ug/Kg		61	10 - 150
Benzo[a]anthracene	1640	1840		ug/Kg		112	65 - 120
Benzo[a]pyrene	1640	1880		ug/Kg		114	64 - 120
Benzo[b]fluoranthene	1640	1890		ug/Kg		115	64 - 120
Benzo[g,h,i]perylene	1640	1800		ug/Kg		110	45 - 145
Benzo[k]fluoranthene	1640	1900		ug/Kg		116	65 - 120
Biphenyl	1640	1670		ug/Kg		102	59 - 120
bis (2-chloroisopropyl) ether	1640	1270		ug/Kg		78	44 - 120
Bis(2-chloroethoxy)methane	1640	1510		ug/Kg		92	55 - 120
Bis(2-chloroethyl)ether	1640	1390		ug/Kg		84	45 - 120
Bis(2-ethylhexyl) phthalate	1640	1740		ug/Kg		106	61 - 133
Butyl benzyl phthalate	1640	1760		ug/Kg		107	61 - 129
Caprolactam	3280	3450		ug/Kg		105	47 - 120
Carbazole	1640	1900		ug/Kg		115	65 - 120
Chrysene	1640	1840		ug/Kg		112	64 - 120
Dibenz(a,h)anthracene	1640	1930		ug/Kg		118	54 - 132
Dibenzofuran	1640	1790		ug/Kg		109	63 - 120
Diethyl phthalate	1640	1800		ug/Kg		110	66 - 120
Dimethyl phthalate	1640	1790		ug/Kg		109	65 - 124
Di-n-butyl phthalate	1640	1810		ug/Kg		111	58 - 130
Di-n-octyl phthalate	1640	1720		ug/Kg		105	57 - 133
Fluoranthene	1640	1840		ug/Kg		112	62 - 120
Fluorene	1640	1810		ug/Kg		110	63 - 120
Hexachlorobenzene	1640	1860		ug/Kg		114	60 - 120
Hexachlorobutadiene	1640	1610		ug/Kg		98	45 - 120
Hexachlorocyclopentadiene	1640	1660		ug/Kg		101	47 - 120
Hexachloroethane	1640	1380		ug/Kg		84	41 - 120
Indeno[1,2,3-cd]pyrene	1640	1760		ug/Kg		107	56 - 134
Isophorone	1640	1610		ug/Kg		98	56 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-591915/2-A
Matrix: Solid
Analysis Batch: 592006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 591915

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1640	1570		ug/Kg		96	55 - 120
Nitrobenzene	1640	1510		ug/Kg		92	54 - 120
N-Nitrosodi-n-propylamine	1640	1550		ug/Kg		94	52 - 120
N-Nitrosodiphenylamine	1640	1770		ug/Kg		108	51 - 128
Pentachlorophenol	3280	3420		ug/Kg		104	51 - 120
Phenanthrene	1640	1840		ug/Kg		112	60 - 120
Phenol	1640	1460		ug/Kg		89	53 - 120
Pyrene	1640	1790		ug/Kg		109	61 - 133

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	111		54 - 120
2-Fluorobiphenyl (Surr)	104		60 - 120
2-Fluorophenol (Surr)	88		52 - 120
Nitrobenzene-d5 (Surr)	92		53 - 120
Phenol-d5 (Surr)	92		54 - 120
p-Terphenyl-d14 (Surr)	108		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-592259/1-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592259

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDE	1.6	U	1.6	0.34	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
beta-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan I	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin ketone	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
gamma-BHC (Lindane)	0.485	J	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Methoxychlor	1.6	U	1.6	0.33	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Toxaphene	16	U	16	9.5	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	78		45 - 120	08/10/21 07:20	08/11/21 09:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-592259/1-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592259

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	100		45 - 120	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	75		30 - 124	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	79		30 - 124	08/10/21 07:20	08/11/21 09:54	1

Lab Sample ID: LCS 480-592259/2-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	16.4	16.2		ug/Kg		99	56 - 120
4,4'-DDE	16.4	12.6		ug/Kg		76	44 - 120
4,4'-DDT	16.4	17.4		ug/Kg		106	38 - 120
Aldrin	16.4	11.8		ug/Kg		72	38 - 120
alpha-BHC	16.4	11.3		ug/Kg		68	39 - 120
beta-BHC	16.4	13.6		ug/Kg		83	40 - 120
cis-Chlordane	16.4	11.0		ug/Kg		67	47 - 120
delta-BHC	16.4	13.2		ug/Kg		80	45 - 120
Dieldrin	16.4	14.8		ug/Kg		90	58 - 120
Endosulfan I	16.4	13.8		ug/Kg		84	49 - 120
Endosulfan II	16.4	16.3		ug/Kg		99	55 - 120
Endosulfan sulfate	16.4	18.5		ug/Kg		112	49 - 124
Endrin	16.4	15.8		ug/Kg		96	58 - 120
Endrin aldehyde	16.4	13.5		ug/Kg		82	37 - 121
Endrin ketone	16.4	16.4		ug/Kg		100	46 - 123
gamma-BHC (Lindane)	16.4	12.8		ug/Kg		78	50 - 120
Heptachlor	16.4	13.4		ug/Kg		81	50 - 120
Heptachlor epoxide	16.4	14.3		ug/Kg		87	50 - 120
Methoxychlor	16.4	19.6		ug/Kg		119	58 - 133
trans-Chlordane	16.4	14.2		ug/Kg		87	48 - 120

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	82		45 - 120
DCB Decachlorobiphenyl	108		45 - 120
Tetrachloro-m-xylene	75		30 - 124
Tetrachloro-m-xylene	88		30 - 124

Lab Sample ID: 480-187977-9 MS
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: B-21-103 (12-13)(080321)
Prep Type: Total/NA
Prep Batch: 592259

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
4,4'-DDD	2.1	U	21.3	22.4		ug/Kg	☼	106	37 - 126
4,4'-DDE	2.1	U	21.3	18.2		ug/Kg	☼	85	34 - 120
4,4'-DDT	2.1	U	21.3	24.3		ug/Kg	☼	114	43 - 123
Aldrin	2.1	U	21.3	17.0		ug/Kg	☼	80	37 - 125
alpha-BHC	2.1	U	21.3	17.0		ug/Kg	☼	80	39 - 120
beta-BHC	0.58	J	21.3	19.8		ug/Kg	☼	91	36 - 120
cis-Chlordane	2.1	U	21.3	17.1		ug/Kg	☼	81	35 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 480-187977-9 MSD
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: B-21-103 (12-13)(080321)
Prep Type: Total/NA
Prep Batch: 592259

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	124	TH	45 - 120
Tetrachloro-m-xylene	101		30 - 124
Tetrachloro-m-xylene	107		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-592383/1-A
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592383

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		08/10/21 14:57	08/11/21 14:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	98		60 - 154	08/10/21 14:57	08/11/21 14:45	1
Tetrachloro-m-xylene	113		60 - 154	08/10/21 14:57	08/11/21 14:45	1
DCB Decachlorobiphenyl	121		65 - 174	08/10/21 14:57	08/11/21 14:45	1
DCB Decachlorobiphenyl	98		65 - 174	08/10/21 14:57	08/11/21 14:45	1

Lab Sample ID: LCS 480-592383/2-A
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592383

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	2.29	2.96		mg/Kg		129	51 - 185
PCB-1260	2.29	3.14		mg/Kg		137	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	131		60 - 154
Tetrachloro-m-xylene	133		60 - 154
DCB Decachlorobiphenyl	161		65 - 174
DCB Decachlorobiphenyl	132		65 - 174

Lab Sample ID: 480-187977-2 MS
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: B-21-110 (6-7)(080321)
Prep Type: Total/NA
Prep Batch: 592383

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec. Limits
	Result	Qualifier		Result	Qualifier				
PCB-1016	0.24	U	2.94	3.12		mg/Kg	☼	106	50 - 177
PCB-1260	0.24	U	2.94	3.33		mg/Kg	☼	113	33 - 200

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 480-187977-2 MS
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: B-21-110 (6-7)(080321)
Prep Type: Total/NA
Prep Batch: 592383

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	106		60 - 154
Tetrachloro-m-xylene	106		60 - 154
DCB Decachlorobiphenyl	133		65 - 174
DCB Decachlorobiphenyl	111		65 - 174

Lab Sample ID: 480-187977-2 MSD
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: B-21-110 (6-7)(080321)
Prep Type: Total/NA
Prep Batch: 592383

Analyte	Sample	Sample	Spike	MSD MSD		Unit	D	%Rec	%Rec.		RPD	Limit
	Result	Qualifier		Result	Qualifier				Limits	RPD		
PCB-1016	0.24	U	2.91	3.26		mg/Kg	☼	112	50 - 177	4	50	
PCB-1260	0.24	U	2.91	3.43		mg/Kg	☼	118	33 - 200	3	50	

Surrogate	MSD MSD		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	110		60 - 154
Tetrachloro-m-xylene	110		60 - 154
DCB Decachlorobiphenyl	134		65 - 174
DCB Decachlorobiphenyl	113		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-592643/1-A
Matrix: Solid
Analysis Batch: 592926

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592643

Analyte	MB MB		RL	MDL	Unit	D	Prepared		Analyzed		Dil Fac
	Result	Qualifier									
2,4-D	17	U	17	10	ug/Kg		08/12/21 08:43	08/16/21 21:12			1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		08/12/21 08:43	08/16/21 21:12			1

Surrogate	MB MB		Limits	Prepared		Analyzed		Dil Fac
	%Recovery	Qualifier						
2,4-Dichlorophenylacetic acid	71		28 - 129	08/12/21 08:43		08/16/21 21:12		1
2,4-Dichlorophenylacetic acid	74		28 - 129	08/12/21 08:43		08/16/21 21:12		1

Lab Sample ID: LCS 480-592643/2-A
Matrix: Solid
Analysis Batch: 592926

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592643

Analyte	Spike	LCS LCS		Unit	D	%Rec	%Rec.	
		Result	Qualifier				Limits	
2,4-D	65.9	40.9		ug/Kg		62	40 - 120	
Silvex (2,4,5-TP)	65.9	41.1		ug/Kg		62	39 - 125	

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	74		28 - 129
2,4-Dichlorophenylacetic acid	78		28 - 129

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: 480-187977-10 MS

Matrix: Solid
Analysis Batch: 592926

Client Sample ID: B-21-102 (0-1)(080421)

Prep Type: Total/NA
Prep Batch: 592643

Analyte	Sample	Sample	Spike	MS		Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
2,4-D	20	U	78.9	48.8		ug/Kg	☼	62	32 - 115	
Silvex (2,4,5-TP)	20	U	78.9	42.2		ug/Kg	☼	53	22 - 140	

Surrogate	MS		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	67		28 - 129
2,4-Dichlorophenylacetic acid	75		28 - 129

Lab Sample ID: 480-187977-10 MSD

Matrix: Solid
Analysis Batch: 592926

Client Sample ID: B-21-102 (0-1)(080421)

Prep Type: Total/NA
Prep Batch: 592643

Analyte	Sample	Sample	Spike	MSD		Unit	D	%Rec	%Rec.	Limits	RPD	Limit
	Result	Qualifier		Result	Qualifier							
2,4-D	20	U	79.0	52.0		ug/Kg	☼	66	32 - 115	6	50	
Silvex (2,4,5-TP)	20	U	79.0	38.8		ug/Kg	☼	49	22 - 140	8	50	

Surrogate	MSD		Limits
	%Recovery	Qualifier	
2,4-Dichlorophenylacetic acid	64		28 - 129
2,4-Dichlorophenylacetic acid	66		28 - 129

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-592119/1-A

Matrix: Solid
Analysis Batch: 592290

Client Sample ID: Method Blank

Prep Type: Total/NA
Prep Batch: 592119

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	10	U	10	4.4	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Antimony	15.0	U	15.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Arsenic	2.0	U	2.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Barium	0.50	U	0.50	0.11	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Calcium	4.97	J	49.9	3.3	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Chromium	0.50	U	0.50	0.20	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Cobalt	0.50	U	0.50	0.050	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Copper	1.0	U	1.0	0.21	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Iron	10	U	10	3.5	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Lead	1.0	U	1.0	0.24	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Magnesium	1.02	J	20.0	0.93	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Manganese	0.248		0.20	0.032	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Nickel	5.0	U	5.0	0.23	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Potassium	29.9	U	29.9	20.0	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Selenium	4.0	U	4.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Silver	0.60	U	0.60	0.20	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Sodium	140	U	140	13.0	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Thallium	6.0	U	6.0	0.30	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Vanadium	0.50	U	0.50	0.11	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Zinc	2.0	U	2.0	0.64	mg/Kg		08/08/21 20:13	08/10/21 01:06	1

Eurolins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-592119/2-A
Matrix: Solid
Analysis Batch: 592290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592119

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8190	8165		mg/Kg		99.7	50.1 - 150.2
Antimony	110	74.26		mg/Kg		67.5	22.2 - 254.5
Arsenic	162	133.7		mg/Kg		82.5	70.4 - 130.2
Barium	138	122.3		mg/Kg		88.6	74.6 - 124.6
Beryllium	157	143.0		mg/Kg		91.1	75.2 - 125.5
Cadmium	135	122.8		mg/Kg		91.0	74.8 - 124.4
Calcium	4790	3848		mg/Kg		80.3	72.7 - 127.3
Chromium	117	108.1		mg/Kg		92.4	70.1 - 129.9
Cobalt	92.6	90.37		mg/Kg		97.6	75.1 - 125.3
Copper	143	114.5		mg/Kg		80.0	74.8 - 124.5
Iron	15100	13440		mg/Kg		89.0	37.2 - 162.9
Lead	77.6	71.79		mg/Kg		92.5	68.8 - 131.4
Magnesium	2320	2134		mg/Kg		92.0	62.1 - 137.9
Manganese	319	303.0		mg/Kg		95.0	74.9 - 125.1
Nickel	79.9	79.33		mg/Kg		99.3	70.0 - 130.2
Potassium	2050	2005		mg/Kg		97.8	59.5 - 141.0
Selenium	172	147.6		mg/Kg		85.8	68.0 - 132.6
Silver	24.7	19.17		mg/Kg		77.6	67.2 - 133.2
Sodium	137	137.8	J	mg/Kg		100.6	35.8 - 164.2
Thallium	88.0	89.83		mg/Kg		102.1	66.0 - 134.1
Vanadium	99.9	93.25		mg/Kg		93.3	67.4 - 132.1
Zinc	312	258.1		mg/Kg		82.7	69.9 - 129.8

Lab Sample ID: 480-187977-10 MS
Matrix: Solid
Analysis Batch: 592290

Client Sample ID: B-21-102 (0-1)(080421)
Prep Type: Total/NA
Prep Batch: 592119

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8940	TH	2430	24090	TH	mg/Kg	⊛	623	75 - 125
Antimony	17.4	U TL	48.6	28.48	TL	mg/Kg	⊛	59	75 - 125
Arsenic	4.4		48.6	49.82		mg/Kg	⊛	93	75 - 125
Barium	27.8	TH	48.6	106.2	TH	mg/Kg	⊛	161	75 - 125

Euromins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-187977-10 MS

Matrix: Solid

Analysis Batch: 592290

Client Sample ID: B-21-102 (0-1)(080421)

Prep Type: Total/NA

Prep Batch: 592119

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Beryllium	0.50		48.6	44.10		mg/Kg	☼	90	75 - 125	
Cadmium	0.077	J	48.6	44.05		mg/Kg	☼	91	75 - 125	
Chromium	11.2		48.6	65.56		mg/Kg	☼	112	75 - 125	
Cobalt	4.7		48.6	52.79		mg/Kg	☼	99	75 - 125	
Iron	12400		2430	16790	4	mg/Kg	☼	182	75 - 125	
Lead	14.3		48.6	62.95		mg/Kg	☼	100	75 - 125	
Magnesium	30800	B T	2430	32700	4	mg/Kg	☼	77	75 - 125	
Manganese	311	B	48.6	349.1	4	mg/Kg	☼	79	75 - 125	
Nickel	11.2		48.6	60.81		mg/Kg	☼	102	75 - 125	
Potassium	3660	TH	2430	12060	TH	mg/Kg	☼	346	75 - 125	
Selenium	0.93	J	48.6	43.92		mg/Kg	☼	88	75 - 125	
Silver	0.70	U	12.1	10.80		mg/Kg	☼	89	75 - 125	
Sodium	142	J	2430	2426		mg/Kg	☼	94	75 - 125	
Thallium	7.0	U	48.6	48.79		mg/Kg	☼	100	75 - 125	
Vanadium	14.2	TH	48.6	76.89	TH	mg/Kg	☼	129	75 - 125	
Zinc	12.9		48.6	53.53		mg/Kg	☼	84	75 - 125	

Lab Sample ID: 480-187977-10 MS

Matrix: Solid

Analysis Batch: 592477

Client Sample ID: B-21-102 (0-1)(080421)

Prep Type: Total/NA

Prep Batch: 592119

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Calcium	123000	B	2430	129900	4	mg/Kg	☼	286	75 - 125	
Copper	8.4		48.6	54.79		mg/Kg	☼	96	75 - 125	

Lab Sample ID: 480-187977-10 MSD

Matrix: Solid

Analysis Batch: 592290

Client Sample ID: B-21-102 (0-1)(080421)

Prep Type: Total/NA

Prep Batch: 592119

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Aluminum	8940	TH	2420	23940	TH	mg/Kg	☼	619	75 - 125	1	20	
Antimony	17.4	U TL	48.4	28.96	TL	mg/Kg	☼	60	75 - 125	2	20	
Arsenic	4.4		48.4	50.64		mg/Kg	☼	95	75 - 125	2	20	
Barium	27.8	TH	48.4	108.5	TH	mg/Kg	☼	167	75 - 125	2	20	
Beryllium	0.50		48.4	44.02		mg/Kg	☼	90	75 - 125	0	20	
Cadmium	0.077	J	48.4	44.43		mg/Kg	☼	92	75 - 125	1	20	
Chromium	11.2		48.4	64.78		mg/Kg	☼	111	75 - 125	1	20	
Cobalt	4.7		48.4	54.14		mg/Kg	☼	102	75 - 125	3	20	
Iron	12400		2420	16270	4	mg/Kg	☼	161	75 - 125	3	20	
Lead	14.3		48.4	63.32		mg/Kg	☼	101	75 - 125	1	20	
Magnesium	30800	B T	2420	40770	4 T	mg/Kg	☼	411	75 - 125	22	20	
Manganese	311	B	48.4	392.8	4	mg/Kg	☼	170	75 - 125	12	20	
Nickel	11.2		48.4	61.54		mg/Kg	☼	104	75 - 125	1	20	
Potassium	3660	TH	2420	12330	TH	mg/Kg	☼	358	75 - 125	2	20	
Selenium	0.93	J	48.4	44.00		mg/Kg	☼	89	75 - 125	0	20	
Silver	0.70	U	12.1	10.97		mg/Kg	☼	91	75 - 125	2	20	
Sodium	142	J	2430	2475		mg/Kg	☼	96	75 - 125	2	20	
Thallium	7.0	U	48.4	49.18		mg/Kg	☼	102	75 - 125	1	20	
Vanadium	14.2	TH	48.4	75.66	TH	mg/Kg	☼	127	75 - 125	2	20	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-187977-10 MSD
Matrix: Solid
Analysis Batch: 592290

Client Sample ID: B-21-102 (0-1)(080421)
Prep Type: Total/NA
Prep Batch: 592119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	12.9		48.4	52.25		mg/Kg	⊛	81	75 - 125	2	20

Lab Sample ID: 480-187977-10 MSD
Matrix: Solid
Analysis Batch: 592477

Client Sample ID: B-21-102 (0-1)(080421)
Prep Type: Total/NA
Prep Batch: 592119

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	123000	B	2420	128400	4	mg/Kg	⊛	224	75 - 125	1	20
Copper	8.4		48.4	55.82		mg/Kg	⊛	98	75 - 125	2	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-593113/1-A
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593113

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0044	mg/Kg		08/17/21 14:40	08/17/21 15:52	1

Lab Sample ID: LCSSRM 480-593113/2-A ^10
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593113

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	26.15		mg/Kg		96.2	59.9 - 140. 1

Lab Sample ID: MB 480-593114/1-A
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0045	mg/Kg		08/17/21 14:40	08/17/21 16:31	1

Lab Sample ID: LCSSRM 480-593114/2-A ^10
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593114

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	22.68		mg/Kg		83.4	59.9 - 140. 1

Lab Sample ID: 480-187977-9 MS
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: B-21-103 (12-13)(080321)
Prep Type: Total/NA
Prep Batch: 593114

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.028	U T	0.489	0.505		mg/Kg	⊛	103	80 - 120

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 480-187977-9 MSD
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: B-21-103 (12-13)(080321)
Prep Type: Total/NA
Prep Batch: 593114

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.028	U T	0.618	0.645	T	mg/Kg	☼	105	80 - 120	24	20

Lab Sample ID: MB 480-593122/1-A
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593122

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.021	U	0.021	0.0049	mg/Kg		08/17/21 14:40	08/17/21 17:12	1

Lab Sample ID: LCSSRM 480-593122/2-A
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593122

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	20.55		mg/Kg		75.6	59.9 - 140. 1

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

GC/MS VOA

Prep Batch: 591949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-1	B-21-110 (4-5)(080321)	Total/NA	Solid	5035A_L	
480-187977-4	B-21-110 (10-11)(080321)	Total/NA	Solid	5035A_L	
480-187977-5	B-21-103 (2-3)(080321)	Total/NA	Solid	5035A_L	
480-187977-7	B-21-103 (5-6)(080321)	Total/NA	Solid	5035A_L	
480-187977-8	B-21-103 (8-9)(080321)	Total/NA	Solid	5035A_L	
480-187977-11	B-21-102 (1-2)(080421)	Total/NA	Solid	5035A_L	
480-187977-12	B-21-102 (2-3)(080421)	Total/NA	Solid	5035A_L	
480-187977-14	B-21-102 (9-10)(080421)	Total/NA	Solid	5035A_L	
480-187977-15	B-21-112 (0-1)(080421)	Total/NA	Solid	5035A_L	
MB 480-591949/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-591949/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 591954

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-1	B-21-110 (4-5)(080321)	Total/NA	Solid	8260C	591949
480-187977-4	B-21-110 (10-11)(080321)	Total/NA	Solid	8260C	591949
480-187977-5	B-21-103 (2-3)(080321)	Total/NA	Solid	8260C	591949
480-187977-7	B-21-103 (5-6)(080321)	Total/NA	Solid	8260C	591949
480-187977-8	B-21-103 (8-9)(080321)	Total/NA	Solid	8260C	591949
480-187977-11	B-21-102 (1-2)(080421)	Total/NA	Solid	8260C	591949
480-187977-12	B-21-102 (2-3)(080421)	Total/NA	Solid	8260C	591949
480-187977-14	B-21-102 (9-10)(080421)	Total/NA	Solid	8260C	591949
480-187977-15	B-21-112 (0-1)(080421)	Total/NA	Solid	8260C	591949
MB 480-591949/2-A	Method Blank	Total/NA	Solid	8260C	591949
LCS 480-591949/1-A	Lab Control Sample	Total/NA	Solid	8260C	591949

Analysis Batch: 592236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-17	B-21-112 (5-6)(080421)	Total/NA	Solid	8260C	592250
480-187977-19	B-21-112 (8-9)(080421)	Total/NA	Solid	8260C	592250
MB 480-592250/2-A	Method Blank	Total/NA	Solid	8260C	592250
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	8260C	592250

Prep Batch: 592250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-17	B-21-112 (5-6)(080421)	Total/NA	Solid	5035A_L	
480-187977-19	B-21-112 (8-9)(080421)	Total/NA	Solid	5035A_L	
MB 480-592250/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 591915

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	3550C	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	3550C	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	3550C	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	3550C	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	3550C	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	3550C	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	3550C	

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

GC/MS Semi VOA (Continued)

Prep Batch: 591915 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	3550C	
MB 480-591915/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-591915/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 592006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	8270D	591915
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	8270D	591915
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	8270D	591915
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	8270D	591915
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	8270D	591915
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	8270D	591915
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	8270D	591915
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	8270D	591915
MB 480-591915/1-A	Method Blank	Total/NA	Solid	8270D	591915
LCS 480-591915/2-A	Lab Control Sample	Total/NA	Solid	8270D	591915

GC Semi VOA

Prep Batch: 592259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	3550C	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	3550C	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	3550C	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	3550C	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	3550C	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	3550C	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	3550C	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	3550C	
MB 480-592259/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187977-9 MS	B-21-103 (12-13)(080321)	Total/NA	Solid	3550C	
480-187977-9 MSD	B-21-103 (12-13)(080321)	Total/NA	Solid	3550C	

Prep Batch: 592383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	3550C	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	3550C	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	3550C	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	3550C	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	3550C	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	3550C	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	3550C	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	3550C	
MB 480-592383/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592383/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-187977-2 MS	B-21-110 (6-7)(080321)	Total/NA	Solid	3550C	
480-187977-2 MSD	B-21-110 (6-7)(080321)	Total/NA	Solid	3550C	

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

GC Semi VOA

Analysis Batch: 592443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	8081B	592259
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	8081B	592259
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	8081B	592259
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	8081B	592259
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	8081B	592259
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	8081B	592259
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	8081B	592259
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	8081B	592259
MB 480-592259/1-A	Method Blank	Total/NA	Solid	8081B	592259
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	8081B	592259
480-187977-9 MS	B-21-103 (12-13)(080321)	Total/NA	Solid	8081B	592259
480-187977-9 MSD	B-21-103 (12-13)(080321)	Total/NA	Solid	8081B	592259

Analysis Batch: 592530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	8082A	592383
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	8082A	592383
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	8082A	592383
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	8082A	592383
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	8082A	592383
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	8082A	592383
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	8082A	592383
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	8082A	592383
MB 480-592383/1-A	Method Blank	Total/NA	Solid	8082A	592383
LCS 480-592383/2-A	Lab Control Sample	Total/NA	Solid	8082A	592383
480-187977-2 MS	B-21-110 (6-7)(080321)	Total/NA	Solid	8082A	592383
480-187977-2 MSD	B-21-110 (6-7)(080321)	Total/NA	Solid	8082A	592383

Prep Batch: 592643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	8151A	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	8151A	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	8151A	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	8151A	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	8151A	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	8151A	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	8151A	
MB 480-592643/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-592643/2-A	Lab Control Sample	Total/NA	Solid	8151A	
480-187977-10 MS	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	
480-187977-10 MSD	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	

Analysis Batch: 592926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	8151A	592643
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	8151A	592643
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	8151A	592643
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	8151A	592643
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	592643
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	8151A	592643

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

GC Semi VOA (Continued)

Analysis Batch: 592926 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	8151A	592643
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	8151A	592643
MB 480-592643/1-A	Method Blank	Total/NA	Solid	8151A	592643
LCS 480-592643/2-A	Lab Control Sample	Total/NA	Solid	8151A	592643
480-187977-10 MS	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	592643
480-187977-10 MSD	B-21-102 (0-1)(080421)	Total/NA	Solid	8151A	592643

Metals

Prep Batch: 592119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	3050B	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	3050B	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	3050B	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	3050B	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	3050B	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	3050B	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	3050B	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	3050B	
MB 480-592119/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-592119/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-187977-10 MS	B-21-102 (0-1)(080421)	Total/NA	Solid	3050B	
480-187977-10 MSD	B-21-102 (0-1)(080421)	Total/NA	Solid	3050B	

Analysis Batch: 592290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	6010C	592119
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	6010C	592119
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	6010C	592119
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	6010C	592119
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	6010C	592119
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	6010C	592119
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	6010C	592119
MB 480-592119/1-A	Method Blank	Total/NA	Solid	6010C	592119
LCSSRM 480-592119/2-A	Lab Control Sample	Total/NA	Solid	6010C	592119
480-187977-10 MS	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119
480-187977-10 MSD	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119

Analysis Batch: 592477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	6010C	592119
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	6010C	592119
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	6010C	592119
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	6010C	592119
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	6010C	592119
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	6010C	592119
480-187977-10 MS	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119
480-187977-10 MSD	B-21-102 (0-1)(080421)	Total/NA	Solid	6010C	592119

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Metals

Prep Batch: 593113

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	7471B	
MB 480-593113/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-593113/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 593114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	7471B	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	7471B	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	7471B	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	7471B	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	7471B	
MB 480-593114/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-593114/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	
480-187977-9 MS	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	
480-187977-9 MSD	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	

Prep Batch: 593122

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 480-593122/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-593122/2-A	Lab Control Sample	Total/NA	Solid	7471B	
480-187977-2 MS	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	
480-187977-2 MSD	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	

Analysis Batch: 593160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	593113
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	7471B	593113
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	7471B	593114
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	593114
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	7471B	593114
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	7471B	593114
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	7471B	593114
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	7471B	593114
MB 480-593113/1-A	Method Blank	Total/NA	Solid	7471B	593113
MB 480-593114/1-A	Method Blank	Total/NA	Solid	7471B	593114
MB 480-593122/1-A	Method Blank	Total/NA	Solid	7471B	593122
LCSSRM 480-593113/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	593113
LCSSRM 480-593114/2-A ^1	Lab Control Sample	Total/NA	Solid	7471B	593114
LCSSRM 480-593122/2-A	Lab Control Sample	Total/NA	Solid	7471B	593122
480-187977-2 MS	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	593122
480-187977-2 MSD	B-21-110 (6-7)(080321)	Total/NA	Solid	7471B	593122
480-187977-9 MS	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	593114
480-187977-9 MSD	B-21-103 (12-13)(080321)	Total/NA	Solid	7471B	593114

General Chemistry

Analysis Batch: 591916

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-2	B-21-110 (6-7)(080321)	Total/NA	Solid	Moisture	

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QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

General Chemistry (Continued)

Analysis Batch: 591916 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-3	B-21-110 (11-12)(080321)	Total/NA	Solid	Moisture	
480-187977-6	B-21-103 (4-5)(080321)	Total/NA	Solid	Moisture	
480-187977-9	B-21-103 (12-13)(080321)	Total/NA	Solid	Moisture	
480-187977-10	B-21-102 (0-1)(080421)	Total/NA	Solid	Moisture	
480-187977-13	B-21-102 (5-6)(080421)	Total/NA	Solid	Moisture	
480-187977-16	B-21-112 (3-4)(080421)	Total/NA	Solid	Moisture	
480-187977-18	B-21-112 (6-7)(080421)	Total/NA	Solid	Moisture	

Analysis Batch: 591922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-187977-1	B-21-110 (4-5)(080321)	Total/NA	Solid	Moisture	
480-187977-4	B-21-110 (10-11)(080321)	Total/NA	Solid	Moisture	
480-187977-5	B-21-103 (2-3)(080321)	Total/NA	Solid	Moisture	
480-187977-7	B-21-103 (5-6)(080321)	Total/NA	Solid	Moisture	
480-187977-8	B-21-103 (8-9)(080321)	Total/NA	Solid	Moisture	
480-187977-11	B-21-102 (1-2)(080421)	Total/NA	Solid	Moisture	
480-187977-12	B-21-102 (2-3)(080421)	Total/NA	Solid	Moisture	
480-187977-14	B-21-102 (9-10)(080421)	Total/NA	Solid	Moisture	
480-187977-15	B-21-112 (0-1)(080421)	Total/NA	Solid	Moisture	
480-187977-17	B-21-112 (5-6)(080421)	Total/NA	Solid	Moisture	
480-187977-19	B-21-112 (8-9)(080421)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (4-5)(080321)
Date Collected: 08/03/21 12:55
Date Received: 08/05/21 08:00

Lab Sample ID: 480-187977-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-110 (4-5)(080321)
Date Collected: 08/03/21 12:55
Date Received: 08/05/21 08:00

Lab Sample ID: 480-187977-1
Matrix: Solid
Percent Solids: 79.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 02:04	WJD	TAL BUF

Client Sample ID: B-21-110 (6-7)(080321)
Date Collected: 08/03/21 13:05
Date Received: 08/05/21 08:00

Lab Sample ID: 480-187977-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-110 (6-7)(080321)
Date Collected: 08/03/21 13:05
Date Received: 08/05/21 08:00

Lab Sample ID: 480-187977-2
Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 15:00	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 11:31	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 15:36	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/16/21 23:40	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 20:17	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:13	AMH	TAL BUF
Total/NA	Prep	7471B			593113	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:29	BMB	TAL BUF

Client Sample ID: B-21-110 (11-12)(080321)
Date Collected: 08/03/21 13:15
Date Received: 08/05/21 08:00

Lab Sample ID: 480-187977-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-110 (11-12)(080321)

Lab Sample ID: 480-187977-3

Date Collected: 08/03/21 13:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 15:25	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 11:51	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 15:49	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 00:10	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 20:20	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:28	AMH	TAL BUF
Total/NA	Prep	7471B			593113	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:30	BMB	TAL BUF

Client Sample ID: B-21-110 (10-11)(080321)

Lab Sample ID: 480-187977-4

Date Collected: 08/03/21 13:20

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-110 (10-11)(080321)

Lab Sample ID: 480-187977-4

Date Collected: 08/03/21 13:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 02:28	WJD	TAL BUF

Client Sample ID: B-21-103 (2-3)(080321)

Lab Sample ID: 480-187977-5

Date Collected: 08/03/21 14:30

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-103 (2-3)(080321)

Lab Sample ID: 480-187977-5

Date Collected: 08/03/21 14:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 02:53	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-103 (4-5)(080321)

Lab Sample ID: 480-187977-6

Date Collected: 08/03/21 14:40

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 15:50	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 12:10	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 16:02	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 00:40	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:32	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:34	BMB	TAL BUF

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Date Collected: 08/03/21 14:45

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-103 (5-6)(080321)

Lab Sample ID: 480-187977-7

Date Collected: 08/03/21 14:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 03:17	WJD	TAL BUF

Client Sample ID: B-21-103 (8-9)(080321)

Lab Sample ID: 480-187977-8

Date Collected: 08/03/21 15:00

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-103 (8-9)(080321)

Lab Sample ID: 480-187977-8

Date Collected: 08/03/21 15:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 03:42	WJD	TAL BUF

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-103 (12-13)(080321)

Lab Sample ID: 480-187977-9

Date Collected: 08/03/21 15:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 78.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 16:14	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 11:12	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 16:15	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 01:09	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 20:24	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:35	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:35	BMB	TAL BUF

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 16:38	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 12:30	RJS	TAL BUF

Eurofins TestAmerica, Buffalo

Lab Chronicle

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (0-1)(080421)

Lab Sample ID: 480-187977-10

Date Collected: 08/04/21 08:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 16:27	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/16/21 23:11	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 20:28	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:39	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:43	BMB	TAL BUF

Client Sample ID: B-21-102 (1-2)(080421)

Lab Sample ID: 480-187977-11

Date Collected: 08/04/21 08:10

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-102 (1-2)(080421)

Lab Sample ID: 480-187977-11

Date Collected: 08/04/21 08:10

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 04:07	WJD	TAL BUF

Client Sample ID: B-21-102 (2-3)(080421)

Lab Sample ID: 480-187977-12

Date Collected: 08/04/21 08:20

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-102 (2-3)(080421)

Lab Sample ID: 480-187977-12

Date Collected: 08/04/21 08:20

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 04:31	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-102 (5-6)(080421)

Lab Sample ID: 480-187977-13

Date Collected: 08/04/21 08:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 17:02	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 12:49	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 16:40	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 01:39	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 20:59	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 01:58	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:44	BMB	TAL BUF

Client Sample ID: B-21-102 (9-10)(080421)

Lab Sample ID: 480-187977-14

Date Collected: 08/04/21 08:45

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-102 (9-10)(080421)

Lab Sample ID: 480-187977-14

Date Collected: 08/04/21 08:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 04:56	WJD	TAL BUF

Client Sample ID: B-21-112 (0-1)(080421)

Lab Sample ID: 480-187977-15

Date Collected: 08/04/21 12:00

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (0-1)(080421)

Lab Sample ID: 480-187977-15

Date Collected: 08/04/21 12:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			591949	08/05/21 10:15	CDC	TAL BUF
Total/NA	Analysis	8260C		1	591954	08/06/21 05:20	WJD	TAL BUF

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-112 (3-4)(080421)

Lab Sample ID: 480-187977-16

Date Collected: 08/04/21 12:15

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 17:27	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 13:09	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 16:53	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 05:36	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 21:03	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 02:13	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:46	BMB	TAL BUF

Client Sample ID: B-21-112 (5-6)(080421)

Lab Sample ID: 480-187977-17

Date Collected: 08/04/21 12:30

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-112 (5-6)(080421)

Lab Sample ID: 480-187977-17

Date Collected: 08/04/21 12:30

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/05/21 10:15	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 20:52	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591916	08/05/21 14:48	IMZ	TAL BUF

Client Sample ID: B-21-112 (6-7)(080421)

Lab Sample ID: 480-187977-18

Date Collected: 08/04/21 12:45

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			591915	08/05/21 14:45	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592006	08/06/21 17:52	JMM	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 17:03	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 17:06	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 02:38	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 21:06	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 02:16	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 16:47	BMB	TAL BUF

Client Sample ID: B-21-112 (8-9)(080421)

Lab Sample ID: 480-187977-19

Date Collected: 08/04/21 13:00

Matrix: Solid

Date Received: 08/05/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	591922	08/05/21 15:12	WJD	TAL BUF

Client Sample ID: B-21-112 (8-9)(080421)

Lab Sample ID: 480-187977-19

Date Collected: 08/04/21 13:00

Matrix: Solid

Date Received: 08/05/21 08:00

Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/05/21 10:15	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 21:16	WJD	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-187977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-187977-1	B-21-110 (4-5)(080321)	Solid	08/03/21 12:55	08/05/21 08:00
480-187977-2	B-21-110 (6-7)(080321)	Solid	08/03/21 13:05	08/05/21 08:00
480-187977-3	B-21-110 (11-12)(080321)	Solid	08/03/21 13:15	08/05/21 08:00
480-187977-4	B-21-110 (10-11)(080321)	Solid	08/03/21 13:20	08/05/21 08:00
480-187977-5	B-21-103 (2-3)(080321)	Solid	08/03/21 14:30	08/05/21 08:00
480-187977-6	B-21-103 (4-5)(080321)	Solid	08/03/21 14:40	08/05/21 08:00
480-187977-7	B-21-103 (5-6)(080321)	Solid	08/03/21 14:45	08/05/21 08:00
480-187977-8	B-21-103 (8-9)(080321)	Solid	08/03/21 15:00	08/05/21 08:00
480-187977-9	B-21-103 (12-13)(080321)	Solid	08/03/21 15:10	08/05/21 08:00
480-187977-10	B-21-102 (0-1)(080421)	Solid	08/04/21 08:00	08/05/21 08:00
480-187977-11	B-21-102 (1-2)(080421)	Solid	08/04/21 08:10	08/05/21 08:00
480-187977-12	B-21-102 (2-3)(080421)	Solid	08/04/21 08:20	08/05/21 08:00
480-187977-13	B-21-102 (5-6)(080421)	Solid	08/04/21 08:30	08/05/21 08:00
480-187977-14	B-21-102 (9-10)(080421)	Solid	08/04/21 08:45	08/05/21 08:00
480-187977-15	B-21-112 (0-1)(080421)	Solid	08/04/21 12:00	08/05/21 08:00
480-187977-16	B-21-112 (3-4)(080421)	Solid	08/04/21 12:15	08/05/21 08:00
480-187977-17	B-21-112 (5-6)(080421)	Solid	08/04/21 12:30	08/05/21 08:00
480-187977-18	B-21-112 (6-7)(080421)	Solid	08/04/21 12:45	08/05/21 08:00
480-187977-19	B-21-112 (8-9)(080421)	Solid	08/04/21 13:00	08/05/21 08:00

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Chain of Custody Record



Environment Testing
America

Syracuse
(Hamilton County)

Client Information
 Client Contact: **K. Popyck**
 Mr. Robert Sents
 Company: **ERM-Northeast**
 Address: **5784 Widewaters Pkwy**
 City: **Dewitt**
 State, Zip: **NY, 13214**
 Phone: **315-445-2543(Tel)**
 Email: **robert.sents@erm.com**
 Project Name: **NO Sammie Investigation - Oswego NY Li-Cycle**
 Site: **NO**

Lab PM: Schove, John R
E-Mail: John.Schove@Eurolins.com
Job #: **#225**

COC No.: 480-160789-35375.9
Page: 1 of 2
Page 9 of 10-KP

Due Date Requested:
TAT Requested (days): Standard
Compliance Project: Yes No
PO #:
Purchase Order Requested:
WO #:
Project #: 48023407
SSOW#:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=oil, T=tissue, A=air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs + 10 TICs	9012B - Cyanide, Total	6010C, 7471B	8270D - SVOC - 14 Dioxane	8082A - TCL PCBs	PFC, IDA - PFAS, Standard List (21 analytes)	Lloyd_Kahn - TOC by Lloyd Kahn	9045D - pH	8081B, 8151A, 8270D	8260C - TCL VOCs + 10 TICs	Total Number of Containers	Special Instructions/Note:
B-21-110 (4-5)(08032021)	8/3/2021	1255	G	Solid	N	N	X	N	X	N	N	N	N	N	N	N	4	
B-21-110 (6-7)(08032021)		1305		Solid	N	N					X	X					3	
B-21-110 (11-12)(08032021)		1315		Solid	N	N					X	X					3	
B-21-110 (10-11)(08032021)		1320		Solid	N	N	X										4	
B-21-103 (2-3)(08032021)		1430		Solid	N	N	X										4	
B-21-103 (4-5)(08032021)		1440		Solid	N	N	X										4	
B-21-103 (5-6)(08032021)		1445		Solid	N	N	X										3	
B-21-103 (8-9)(08032021)		1500		Solid	N	N	X											
B-21-103 (12-13)(08032021)		1510		Solid	N	N	X											
B-21-102 (0-1)(08042021)	8/4/2021	0800		Solid	N	N	X											
B-21-102 (1-2)(08042021)		0810		Solid	N	N	X										1	



480-187977 Chain of Custody

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological

Deliverable Requested: I, II, III, IV, Other (specify) **IV**

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: **ASP Cat B deliverables**

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: *Li-Cycle* Date: **8/14/21** Time: **1600**
Relinquished by: *ERM* Date: **8-21-21** Time: **1600**
Relinquished by: *ERM* Date: **8-21-21** Time: **1600**

Custody Seal Intact: Yes No
Custody Seal No.: _____

Company: **ERM**
Company: **ERM**
Company: **ERM**

Received by: _____ Date/Time: **8/19/21 1600**
Received by: _____ Date/Time: **8-21-21 500**
Received by: _____ Date/Time: _____

Cooler Temperature(s) °C and Other Remarks: **2.5 Ice**



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-187977-1

Login Number: 187977

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	TERRA CORES FROZE8-5-21 10:15
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ERM
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-188023-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



Authorized for release by:

8/17/2021 11:51:45 AM

Rebecca Jones, Project Management Assistant I

Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II

(716)504-9838

John.Schove@Eurofinset.com

LINKS

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovey is outside acceptable limits biased High.
TL	QC Recovey is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Job ID: 480-188023-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-188023-1

Comments

No additional comments.

Receipt

The samples were received on 8/6/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.8° C.

GC/MS VOA

Method 8260C: Internal standard (ISTD) and/or surrogate standard response for the following samples were outside control limits: B-12-138 (6-7)(08052021) (480-188023-5) and B-12-133 (10-11)(08052021) (480-188023-9). The sample(s) were re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) associated with preparation batch 480-592142 and analytical batch 480-592528 recovered within acceptable limits for this analyte and has been qualified with an "E" flag.

Method 8270D: The Method Blank (MB) and Laboratory Control Sample (LCS) for preparation batch 480-592142 and analytical batch 480-592528 recovered above the upper control for multiple surrogates affecting the following associated samples: B-12-138 (1-2) (08052021) (480-188023-2), B-12-138 (5-6)(08052021) (480-188023-4), B-12-133 (6-7)(08052021) (480-188023-7) and B-12-133 (13-14)(08052021) (480-188023-10). The associated samples were non-detect for all compounds. Therefore, the data has been reported.

Method 8270D: The continuing calibration verification (CCV) analyzed in batch 480-592528 was outside the method criteria for the following surrogate: 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592528 recovered above the upper control limit for 4-Nitrophenol and Hexachlorobenzene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-12-138 (1-2)(08052021) (480-188023-2), B-12-138 (5-6)(08052021) (480-188023-4), B-12-133 (6-7)(08052021) (480-188023-7) and B-12-133 (13-14)(08052021) (480-188023-10).

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592528 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The laboratory control sample (LCS) for preparation batch 480-592142 and analytical batch 480-592528 recovered outside control limits for multiple analytes. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8270D: Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following samples contained an allowable number of surrogate compounds outside limits: (480-188023-B-4-A MS) and (480-188023-B-4-B MSD). These results have been reported and qualified.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC Semi VOA

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-592443 recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Job ID: 480-188023-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

The associated sample is impacted: B-12-138 (5-6)(08052021) (480-188023-4).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The Serial Dilution (480-188023-C-4-A SD ^5) in batch 480-592298, exhibited results outside the quality control limits for Total Barium, Chromium, and Vanadium. However, the Post Digestion Spike was compliant so no corrective action was necessary.

Method 6010C: The recovery of Post Spike, (480-188023-C-4-A PDS), in batch 480-592298 exhibited results outside the quality control limits for Total Iron and Manganese. However, the Serial Dilution of this sample was compliant. Therefore, no corrective action was necessary.

Method 6010C: The Serial Dilution and Post Spike (480-188023-C-4-A PDS) and (480-188023-C-4-A SD ^5) exceeded the quality control limits for Total Aluminum. Sample matrix is suspected, therefore, no corrective action was necessary.

Method 6010C: The following samples were diluted due to the presence of Total Calcium which interferes with Copper: B-12-138 (1-2) (08052021) (480-188023-2), B-12-138 (5-6)(08052021) (480-188023-4), B-12-133 (6-7)(08052021) (480-188023-7), (480-188023-C-4-B MS ^2), (480-188023-C-4-C MSD ^2), (480-188023-C-4-A PDS ^2) and (480-188023-C-4-A SD ^10). Elevated reporting limits (RLs) are provided.

Method 6010C: The serial dilution (480-188023-C-4-A SD ^10) associated with batch 480-592489, exhibited a result outside the quality control limits for Total Calcium. However, the post digestion spike (PDS) was compliant, therefore no corrective action was necessary.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (0-1)(08052021)

Lab Sample ID: 480-188023-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	51		24	4.1	ug/Kg	1	✖	8260C	Total/NA

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
delta-BHC	0.63	J	1.9	0.35	ug/Kg	1	✖	8081B	Total/NA
Endosulfan sulfate	0.52	J	1.9	0.35	ug/Kg	1	✖	8081B	Total/NA
Endrin aldehyde	1.4	J	1.9	0.49	ug/Kg	1	✖	8081B	Total/NA
gamma-BHC (Lindane)	0.59	J B	1.9	0.35	ug/Kg	1	✖	8081B	Total/NA
Heptachlor	0.56	J	1.9	0.41	ug/Kg	1	✖	8081B	Total/NA
Aluminum	9070		11.0	4.8	mg/Kg	1	✖	6010C	Total/NA
Arsenic	4.5		2.2	0.44	mg/Kg	1	✖	6010C	Total/NA
Barium	24.0		0.55	0.12	mg/Kg	1	✖	6010C	Total/NA
Beryllium	0.47		0.22	0.031	mg/Kg	1	✖	6010C	Total/NA
Calcium	138000	B	110	7.3	mg/Kg	2	✖	6010C	Total/NA
Chromium	9.6		0.55	0.22	mg/Kg	1	✖	6010C	Total/NA
Cobalt	4.5		0.55	0.055	mg/Kg	1	✖	6010C	Total/NA
Copper	7.7		2.2	0.46	mg/Kg	2	✖	6010C	Total/NA
Iron	10700		11.0	3.9	mg/Kg	1	✖	6010C	Total/NA
Lead	14.8		1.1	0.26	mg/Kg	1	✖	6010C	Total/NA
Magnesium	24300		22.0	1.0	mg/Kg	1	✖	6010C	Total/NA
Manganese	277	B	0.22	0.035	mg/Kg	1	✖	6010C	Total/NA
Nickel	11.1		5.5	0.25	mg/Kg	1	✖	6010C	Total/NA
Potassium	3770		33.0	22.0	mg/Kg	1	✖	6010C	Total/NA
Sodium	152	J	154	14.3	mg/Kg	1	✖	6010C	Total/NA
Vanadium	11.5		0.55	0.12	mg/Kg	1	✖	6010C	Total/NA
Zinc	18.9		2.2	0.70	mg/Kg	1	✖	6010C	Total/NA
Mercury	0.0061	J	0.024	0.0056	mg/Kg	1	✖	7471B	Total/NA

Client Sample ID: B-12-138 (2-3)(08052021)

Lab Sample ID: 480-188023-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	2.0	J	23	1.7	ug/Kg	1	✖	8260C	Total/NA
Acetone	45		23	3.9	ug/Kg	1	✖	8260C	Total/NA
Methylcyclohexane	1.4	J	4.7	0.71	ug/Kg	1	✖	8260C	Total/NA
Toluene	1.1	J	4.7	0.35	ug/Kg	1	✖	8260C	Total/NA
Xylenes, Total	1.1	J	9.3	0.78	ug/Kg	1	✖	8260C	Total/NA

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endosulfan sulfate	0.39	J	2.0	0.37	ug/Kg	1	✖	8081B	Total/NA
Endrin aldehyde	1.5	J	2.0	0.50	ug/Kg	1	✖	8081B	Total/NA
gamma-BHC (Lindane)	0.63	J B	2.0	0.36	ug/Kg	1	✖	8081B	Total/NA
Aluminum	8140	TH	11.4	5.0	mg/Kg	1	✖	6010C	Total/NA
Arsenic	4.8		2.3	0.45	mg/Kg	1	✖	6010C	Total/NA
Barium	29.4	TH	0.57	0.13	mg/Kg	1	✖	6010C	Total/NA
Beryllium	0.43		0.23	0.032	mg/Kg	1	✖	6010C	Total/NA
Calcium	144000	B	114	7.5	mg/Kg	2	✖	6010C	Total/NA
Chromium	9.1		0.57	0.23	mg/Kg	1	✖	6010C	Total/NA
Cobalt	4.6		0.57	0.057	mg/Kg	1	✖	6010C	Total/NA
Copper	7.1		2.3	0.48	mg/Kg	2	✖	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (5-6)(08052021) (Continued)

Lab Sample ID: 480-188023-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	11400		11.4	4.0	mg/Kg	1	✳	6010C	Total/NA
Lead	16.4		1.1	0.27	mg/Kg	1	✳	6010C	Total/NA
Magnesium	24100		22.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	253	B	0.23	0.036	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.6		5.7	0.26	mg/Kg	1	✳	6010C	Total/NA
Potassium	3920	TH	34.1	22.7	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.69	J	4.5	0.45	mg/Kg	1	✳	6010C	Total/NA
Sodium	175		159	14.8	mg/Kg	1	✳	6010C	Total/NA
Vanadium	10.7		0.57	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	8.3		2.3	0.73	mg/Kg	1	✳	6010C	Total/NA

Client Sample ID: B-12-138 (6-7)(08052021)

Lab Sample ID: 480-188023-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	4.3	J	20	1.5	ug/Kg	1	✳	8260C	Total/NA
Acetone	180		20	3.4	ug/Kg	1	✳	8260C	Total/NA
Benzene	0.45	J	4.1	0.20	ug/Kg	1	✳	8260C	Total/NA
Cyclohexane	0.76	J	4.1	0.57	ug/Kg	1	✳	8260C	Total/NA
Methyl acetate	3.3	J	20	2.5	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	1.6	J	4.1	0.62	ug/Kg	1	✳	8260C	Total/NA
Toluene	1.5	J	4.1	0.31	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	0.99	J	8.2	0.69	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-12-133 (4-5)(08052021)

Lab Sample ID: 480-188023-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon disulfide	3.4	J	4.9	2.4	ug/Kg	1	✳	8260C	Total/NA
Toluene	1.1	J	4.9	0.37	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	0.83	J	9.7	0.82	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	1.5	J	1.9	0.49	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.74	J B	1.9	0.36	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8960		12.1	5.3	mg/Kg	1	✳	6010C	Total/NA
Arsenic	4.8		2.4	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	25.5		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.51		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.085	J	0.24	0.036	mg/Kg	1	✳	6010C	Total/NA
Calcium	120000	B	121	8.0	mg/Kg	2	✳	6010C	Total/NA
Chromium	10.7		0.61	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.9		0.61	0.061	mg/Kg	1	✳	6010C	Total/NA
Copper	18.7		2.4	0.51	mg/Kg	2	✳	6010C	Total/NA
Iron	11900		12.1	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	16.4		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	35500		24.3	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	294	B	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.5		6.1	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	3810		36.4	24.3	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.68	J	4.9	0.49	mg/Kg	1	✳	6010C	Total/NA
Sodium	159	J	170	15.8	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (6-7)(08052021) (Continued)

Lab Sample ID: 480-188023-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vanadium	13.3		0.61	0.13	mg/Kg	1	☼	6010C	Total/NA
Zinc	14.6		2.4	0.78	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.0088	J	0.024	0.0054	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: B-12-133 (8-9)(08052021)

Lab Sample ID: 480-188023-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	37		21	3.5	ug/Kg	1	☼	8260C	Total/NA
Benzene	0.24	J	4.1	0.20	ug/Kg	1	☼	8260C	Total/NA
Toluene	0.47	J	4.1	0.31	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-12-133 (10-11)(08052021)

Lab Sample ID: 480-188023-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	38		27	2.0	ug/Kg	1	☼	8260C	Total/NA
Acetone	170		27	4.6	ug/Kg	1	☼	8260C	Total/NA
Cyclohexane	0.79	J	5.5	0.77	ug/Kg	1	☼	8260C	Total/NA
Toluene	18		5.5	0.42	ug/Kg	1	☼	8260C	Total/NA

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
alpha-BHC	0.67	J	2.2	0.40	ug/Kg	1	☼	8081B	Total/NA
delta-BHC	0.75	J	2.2	0.42	ug/Kg	1	☼	8081B	Total/NA
Endosulfan sulfate	0.65	J	2.2	0.42	ug/Kg	1	☼	8081B	Total/NA
Endrin ketone	0.94	J	2.2	0.55	ug/Kg	1	☼	8081B	Total/NA
gamma-BHC (Lindane)	0.67	J B	2.2	0.41	ug/Kg	1	☼	8081B	Total/NA
Methoxychlor	1.5	J	2.2	0.46	ug/Kg	1	☼	8081B	Total/NA
trans-Chlordane	1.3	J	2.2	0.71	ug/Kg	1	☼	8081B	Total/NA
Aluminum	17600		13.4	5.9	mg/Kg	1	☼	6010C	Total/NA
Arsenic	6.7		2.7	0.54	mg/Kg	1	☼	6010C	Total/NA
Barium	56.9		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Beryllium	0.89		0.27	0.038	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.28		0.27	0.040	mg/Kg	1	☼	6010C	Total/NA
Calcium	3400	B	67.0	4.4	mg/Kg	1	☼	6010C	Total/NA
Chromium	20.9		0.67	0.27	mg/Kg	1	☼	6010C	Total/NA
Cobalt	10.3		0.67	0.067	mg/Kg	1	☼	6010C	Total/NA
Copper	14.2		1.3	0.28	mg/Kg	1	☼	6010C	Total/NA
Iron	25000		13.4	4.7	mg/Kg	1	☼	6010C	Total/NA
Lead	23.4		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Magnesium	3770		26.8	1.2	mg/Kg	1	☼	6010C	Total/NA
Manganese	774	B	0.27	0.043	mg/Kg	1	☼	6010C	Total/NA
Nickel	21.5		6.7	0.31	mg/Kg	1	☼	6010C	Total/NA
Potassium	4480		40.2	26.8	mg/Kg	1	☼	6010C	Total/NA
Selenium	2.0	J	5.4	0.54	mg/Kg	1	☼	6010C	Total/NA
Sodium	75.7	J	188	17.4	mg/Kg	1	☼	6010C	Total/NA
Vanadium	27.6		0.67	0.15	mg/Kg	1	☼	6010C	Total/NA
Zinc	63.1		2.7	0.86	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.037		0.034	0.0079	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (0-1)(08052021)

Lab Sample ID: 480-188023-1

Date Collected: 08/05/21 08:40

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 85.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.8	U	4.8	0.35	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,1,2,2-Tetrachloroethane	4.8	U	4.8	0.78	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.8	U	4.8	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,1,2-Trichloroethane	4.8	U	4.8	0.63	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,1-Dichloroethane	4.8	U	4.8	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,1-Dichloroethene	4.8	U	4.8	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2,4-Trichlorobenzene	4.8	U	4.8	0.29	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2-Dibromo-3-Chloropropane	4.8	U	4.8	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2-Dibromoethane	4.8	U	4.8	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2-Dichlorobenzene	4.8	U	4.8	0.38	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2-Dichloroethane	4.8	U	4.8	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,2-Dichloropropane	4.8	U	4.8	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,3-Dichlorobenzene	4.8	U	4.8	0.25	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
1,4-Dichlorobenzene	4.8	U	4.8	0.68	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Acetone	51		24	4.1	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Benzene	4.8	U	4.8	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Bromodichloromethane	4.8	U	4.8	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Bromoform	4.8	U	4.8	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Bromomethane	4.8	U	4.8	0.43	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Carbon disulfide	4.8	U	4.8	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Carbon tetrachloride	4.8	U	4.8	0.47	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Chlorobenzene	4.8	U	4.8	0.64	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Chloroethane	4.8	U	4.8	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Chloroform	4.8	U	4.8	0.30	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Chloromethane	4.8	U	4.8	0.29	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
cis-1,2-Dichloroethene	4.8	U	4.8	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
cis-1,3-Dichloropropene	4.8	U	4.8	0.70	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Cyclohexane	4.8	U	4.8	0.68	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Dibromochloromethane	4.8	U	4.8	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Dichlorodifluoromethane	4.8	U	4.8	0.40	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Ethylbenzene	4.8	U	4.8	0.33	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Isopropylbenzene	4.8	U	4.8	0.73	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Methyl tert-butyl ether	4.8	U	4.8	0.47	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Methylcyclohexane	4.8	U	4.8	0.73	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Methylene Chloride	4.8	U	4.8	2.2	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Styrene	4.8	U	4.8	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Tetrachloroethene	4.8	U	4.8	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Toluene	4.8	U	4.8	0.37	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
trans-1,2-Dichloroethene	4.8	U	4.8	0.50	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
trans-1,3-Dichloropropene	4.8	U	4.8	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Trichloroethene	4.8	U	4.8	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Trichlorofluoromethane	4.8	U	4.8	0.46	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Vinyl chloride	4.8	U	4.8	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1
Xylenes, Total	9.7	U	9.7	0.81	ug/Kg	☼	08/06/21 09:00	08/09/21 21:39	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (0-1)(08052021)

Lab Sample ID: 480-188023-1

Date Collected: 08/05/21 08:40

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 85.5

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>	☼			<i>08/06/21 09:00</i>	<i>08/09/21 21:39</i>	<i>1</i>
<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	98		<i>64 - 126</i>				<i>08/06/21 09:00</i>	<i>08/09/21 21:39</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	99		<i>72 - 126</i>				<i>08/06/21 09:00</i>	<i>08/09/21 21:39</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	101		<i>60 - 140</i>				<i>08/06/21 09:00</i>	<i>08/09/21 21:39</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	98		<i>71 - 125</i>				<i>08/06/21 09:00</i>	<i>08/09/21 21:39</i>	<i>1</i>

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 87.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	190	U	190	33	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
1,4-Dioxane	110	U	110	62	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,3,4,6-Tetrachlorophenol	190	U TH	190	40	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4,5-Trichlorophenol	190	U	190	52	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4,6-Trichlorophenol	190	U	190	38	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4-Dichlorophenol	190	U	190	20	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4-Dimethylphenol	190	U	190	46	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4-Dinitrophenol	1900	U	1900	890	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,4-Dinitrotoluene	190	U TH	190	40	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2,6-Dinitrotoluene	190	U TH	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Chloronaphthalene	190	U	190	32	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Chlorophenol	370	U	370	35	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Methylnaphthalene	190	U	190	38	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Methylphenol	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Nitroaniline	370	U	370	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
2-Nitrophenol	190	U	190	54	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
3,3'-Dichlorobenzidine	370	U TH	370	230	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
3-Nitroaniline	370	U	370	53	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4,6-Dinitro-2-methylphenol	370	U	370	190	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Bromophenyl phenyl ether	190	U TH	190	27	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Chloro-3-methylphenol	190	U TH	190	47	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Chloroaniline	190	U	190	47	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Chlorophenyl phenyl ether	190	U	190	24	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Methylphenol	370	U	370	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Nitroaniline	370	U TH	370	100	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
4-Nitrophenol	370	U TH	370	130	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Acenaphthene	190	U	190	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Acenaphthylene	190	U	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Acetophenone	190	U	190	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Anthracene	190	U TH	190	47	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Atrazine	190	U TH	190	67	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzaldehyde	190	U	190	150	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzo[a]anthracene	190	U TH	190	19	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzo[a]pyrene	190	U TH	190	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzo[b]fluoranthene	190	U TH	190	30	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzo[g,h,i]perylene	190	U	190	20	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Benzo[k]fluoranthene	190	U TH	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 87.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	190	U	190	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
bis (2-chloroisopropyl) ether	190	U	190	38	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Bis(2-chloroethoxy)methane	190	U	190	41	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Bis(2-chloroethyl)ether	190	U	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Bis(2-ethylhexyl) phthalate	190	U	190	66	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Butyl benzyl phthalate	190	U	190	32	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Caprolactam	190	U	190	58	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Carbazole	190	U TH	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Chrysene	190	U TH	190	43	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Dibenz(a,h)anthracene	190	U	190	34	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Dibenzofuran	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Diethyl phthalate	190	U TH	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Dimethyl phthalate	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Di-n-butyl phthalate	190	U TH	190	33	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Di-n-octyl phthalate	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Fluoranthene	190	U TH	190	20	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Fluorene	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Hexachlorobenzene	190	U TH	190	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Hexachlorobutadiene	190	U	190	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Hexachlorocyclopentadiene	190	U	190	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Hexachloroethane	190	U	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Indeno[1,2,3-cd]pyrene	190	U	190	24	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Isophorone	190	U	190	41	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Naphthalene	190	U	190	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Nitrobenzene	190	U	190	21	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
N-Nitrosodi-n-propylamine	190	U	190	33	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
N-Nitrosodiphenylamine	190	U	190	160	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Pentachlorophenol	370	U TH	370	190	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Phenanthrene	190	U	190	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Phenol	190	U	190	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1
Pyrene	190	U	190	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:55	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3500	T J	ug/Kg	☼	1.91		08/09/21 08:05	08/11/21 17:55	1
Unknown	1600	T J	ug/Kg	☼	1.97		08/09/21 08:05	08/11/21 17:55	1
Unknown	370	T J	ug/Kg	☼	3.28		08/09/21 08:05	08/11/21 17:55	1
Unknown	270	T J	ug/Kg	☼	13.86		08/09/21 08:05	08/11/21 17:55	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	105		54 - 120	08/09/21 08:05	08/11/21 17:55	1
2-Fluorobiphenyl (Surr)	85		60 - 120	08/09/21 08:05	08/11/21 17:55	1
2-Fluorophenol (Surr)	75		52 - 120	08/09/21 08:05	08/11/21 17:55	1
Nitrobenzene-d5 (Surr)	79		53 - 120	08/09/21 08:05	08/11/21 17:55	1
Phenol-d5 (Surr)	80		54 - 120	08/09/21 08:05	08/11/21 17:55	1
p-Terphenyl-d14 (Surr)	99		79 - 130	08/09/21 08:05	08/11/21 17:55	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 15:06	1
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 15:06	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 87.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	1.9	U	1.9	0.44	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
alpha-BHC	1.9	U	1.9	0.34	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
beta-BHC	1.9	U	1.9	0.34	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
cis-Chlordane	1.9	U	1.9	0.95	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
delta-BHC	0.63	J	1.9	0.35	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endosulfan I	1.9	U	1.9	0.36	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endosulfan II	1.9	U	1.9	0.34	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endosulfan sulfate	0.52	J	1.9	0.35	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endrin aldehyde	1.4	J	1.9	0.49	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Endrin ketone	1.9	U	1.9	0.47	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
gamma-BHC (Lindane)	0.59	J B	1.9	0.35	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Heptachlor	0.56	J	1.9	0.41	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Heptachlor epoxide	1.9	U	1.9	0.49	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
Toxaphene	19	U	19	11	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1
trans-Chlordane	1.9	U	1.9	0.60	ug/Kg	✳	08/10/21 07:20	08/11/21 15:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		45 - 120	08/10/21 07:20	08/11/21 15:06	1
DCB Decachlorobiphenyl	111		45 - 120	08/10/21 07:20	08/11/21 15:06	1
Tetrachloro-m-xylene	110		30 - 124	08/10/21 07:20	08/11/21 15:06	1
Tetrachloro-m-xylene	114		30 - 124	08/10/21 07:20	08/11/21 15:06	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.27	U	0.27	0.053	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1221	0.27	U	0.27	0.053	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1232	0.27	U	0.27	0.053	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1242	0.27	U	0.27	0.053	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1248	0.27	U	0.27	0.053	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1254	0.27	U	0.27	0.13	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1
PCB-1260	0.27	U	0.27	0.13	mg/Kg	✳	08/10/21 14:57	08/11/21 17:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	108		60 - 154	08/10/21 14:57	08/11/21 17:31	1
Tetrachloro-m-xylene	108		60 - 154	08/10/21 14:57	08/11/21 17:31	1
DCB Decachlorobiphenyl	125		65 - 174	08/10/21 14:57	08/11/21 17:31	1
DCB Decachlorobiphenyl	106		65 - 174	08/10/21 14:57	08/11/21 17:31	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✳	08/10/21 07:29	08/12/21 23:28	1
Silvex (2,4,5-TP)	19	U	19	6.7	ug/Kg	✳	08/10/21 07:29	08/12/21 23:28	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129	08/10/21 07:29	08/12/21 23:28	1
2,4-Dichlorophenylacetic acid	70		28 - 129	08/10/21 07:29	08/12/21 23:28	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 87.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	9070		11.0	4.8	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Antimony	16.5	U	16.5	0.44	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Arsenic	4.5		2.2	0.44	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Barium	24.0		0.55	0.12	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Beryllium	0.47		0.22	0.031	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Cadmium	0.22	U	0.22	0.033	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Calcium	138000	B	110	7.3	mg/Kg	☼	08/06/21 12:44	08/10/21 18:38	2
Chromium	9.6		0.55	0.22	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Cobalt	4.5		0.55	0.055	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Copper	7.7		2.2	0.46	mg/Kg	☼	08/06/21 12:44	08/10/21 18:38	2
Iron	10700		11.0	3.9	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Lead	14.8		1.1	0.26	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Magnesium	24300		22.0	1.0	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Manganese	277	B	0.22	0.035	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Nickel	11.1		5.5	0.25	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Potassium	3770		33.0	22.0	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Selenium	4.4	U	4.4	0.44	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Silver	0.66	U	0.66	0.22	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Sodium	152	J	154	14.3	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Thallium	6.6	U	6.6	0.33	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Vanadium	11.5		0.55	0.12	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1
Zinc	18.9		2.2	0.70	mg/Kg	☼	08/06/21 12:44	08/09/21 20:17	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0061	J	0.024	0.0056	mg/Kg	☼	08/09/21 15:01	08/09/21 17:22	1

Client Sample ID: B-12-138 (2-3)(08052021)

Lab Sample ID: 480-188023-3

Date Collected: 08/05/21 08:50

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,1-Dichloroethane	4.7	U	4.7	0.57	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,1-Dichloroethene	4.7	U	4.7	0.57	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.28	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2-Dibromoethane	4.7	U	4.7	0.60	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2-Dichlorobenzene	4.7	U	4.7	0.36	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2-Dichloroethane	4.7	U	4.7	0.23	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,2-Dichloropropane	4.7	U	4.7	2.3	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
1,4-Dichlorobenzene	4.7	U	4.7	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
2-Butanone (MEK)	2.0	J	23	1.7	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
2-Hexanone	23	U	23	2.3	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
4-Methyl-2-pentanone (MIBK)	23	U	23	1.5	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (2-3)(08052021)

Lab Sample ID: 480-188023-3

Date Collected: 08/05/21 08:50

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 88.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	45		23	3.9	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Bromodichloromethane	4.7	U	4.7	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Bromoform	4.7	U	4.7	2.3	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Carbon disulfide	4.7	U	4.7	2.3	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Carbon tetrachloride	4.7	U	4.7	0.45	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.67	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Cyclohexane	4.7	U	4.7	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Ethylbenzene	4.7	U	4.7	0.32	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Isopropylbenzene	4.7	U	4.7	0.70	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Methyl acetate	23	U	23	2.8	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Methylcyclohexane	1.4 J		4.7	0.71	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Methylene Chloride	4.7	U	4.7	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Styrene	4.7	U	4.7	0.23	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Toluene	1.1 J		4.7	0.35	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.48	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Trichlorofluoromethane	4.7	U	4.7	0.44	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Vinyl chloride	4.7	U	4.7	0.57	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1
Xylenes, Total	1.1 J		9.3	0.78	ug/Kg	☼	08/06/21 09:00	08/09/21 22:03	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/06/21 09:00	08/09/21 22:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/06/21 09:00	08/09/21 22:03	1
4-Bromofluorobenzene (Surr)	105		72 - 126	08/06/21 09:00	08/09/21 22:03	1
Dibromofluoromethane (Surr)	108		60 - 140	08/06/21 09:00	08/09/21 22:03	1
Toluene-d8 (Surr)	104		71 - 125	08/06/21 09:00	08/09/21 22:03	1

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,3,4,6-Tetrachlorophenol	200	U TH	200	41	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,4-Dinitrophenol	1900	U	1900	920	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,4-Dinitrotoluene	200	U TH	200	41	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2,6-Dinitrotoluene	200	U TH	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Chlorophenol	390	U	390	36	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Nitroaniline	390	U	390	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
3,3'-Dichlorobenzidine	390	U TH	390	230	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Bromophenyl phenyl ether	200	U TH	200	28	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Chloro-3-methylphenol	200	U TH	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Methylphenol	390	U	390	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Nitroaniline	390	U TH	390	100	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
4-Nitrophenol	390	U TH	390	140	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Anthracene	200	U TH	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Atrazine	200	U TH	200	69	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzo[a]anthracene	200	U TH	200	20	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzo[a]pyrene	200	U TH	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzo[b]fluoranthene	200	U TH	200	32	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Benzo[k]fluoranthene	200	U TH	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Caprolactam	200	U T	200	60	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Carbazole	200	U TH	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Chrysene	200	U TH	200	45	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Diethyl phthalate	200	U TH	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Di-n-butyl phthalate	200	U TH	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	200	U TH	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Fluorene	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Hexachlorobenzene	200	U TH	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Isophorone	200	U	200	42	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Pentachlorophenol	390	U TH	390	200	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Phenol	200	U	200	31	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1
Pyrene	200	U	200	23	ug/Kg	☼	08/09/21 08:05	08/11/21 17:30	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2100	T J	ug/Kg	☼	1.90		08/09/21 08:05	08/11/21 17:30	1
Unknown	210	T J	ug/Kg	☼	1.95		08/09/21 08:05	08/11/21 17:30	1
Unknown	610	T J	ug/Kg	☼	3.27		08/09/21 08:05	08/11/21 17:30	1
Unknown	360	T J	ug/Kg	☼	13.86		08/09/21 08:05	08/11/21 17:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	102		54 - 120	08/09/21 08:05	08/11/21 17:30	1
2-Fluorobiphenyl (Surr)	81		60 - 120	08/09/21 08:05	08/11/21 17:30	1
2-Fluorophenol (Surr)	74		52 - 120	08/09/21 08:05	08/11/21 17:30	1
Nitrobenzene-d5 (Surr)	80		53 - 120	08/09/21 08:05	08/11/21 17:30	1
Phenol-d5 (Surr)	76		54 - 120	08/09/21 08:05	08/11/21 17:30	1
p-Terphenyl-d14 (Surr)	98		79 - 130	08/09/21 08:05	08/11/21 17:30	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Aldrin	2.0	U	2.0	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
beta-BHC	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
cis-Chlordane	2.0	U	2.0	0.97	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
delta-BHC	2.0	U	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endosulfan sulfate	0.39	J	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endrin aldehyde	1.5	J	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Endrin ketone	2.0	U	2.0	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
gamma-BHC (Lindane)	0.63	J B	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Heptachlor	2.0	U	2.0	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Heptachlor epoxide	2.0	U	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Methoxychlor	2.0	U	2.0	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Toxaphene	20	U	20	11	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
trans-Chlordane	2.0	U	2.0	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 16:43	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	75		45 - 120				08/10/21 07:20	08/11/21 16:43	1
DCB Decachlorobiphenyl	120		45 - 120				08/10/21 07:20	08/11/21 16:43	1
Tetrachloro-m-xylene	105		30 - 124				08/10/21 07:20	08/11/21 16:43	1
Tetrachloro-m-xylene	120		30 - 124				08/10/21 07:20	08/11/21 16:43	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.050	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1221	0.26	U	0.26	0.050	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1232	0.26	U	0.26	0.050	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1242	0.26	U	0.26	0.050	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1248	0.26	U	0.26	0.050	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	☼	08/10/21 14:57	08/11/21 17:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154				08/10/21 14:57	08/11/21 17:44	1
Tetrachloro-m-xylene	104		60 - 154				08/10/21 14:57	08/11/21 17:44	1
DCB Decachlorobiphenyl	117		65 - 174				08/10/21 14:57	08/11/21 17:44	1
DCB Decachlorobiphenyl	100		65 - 174				08/10/21 14:57	08/11/21 17:44	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/10/21 07:29	08/12/21 23:57	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	08/10/21 07:29	08/12/21 23:57	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	71		28 - 129				08/10/21 07:29	08/12/21 23:57	1
2,4-Dichlorophenylacetic acid	67		28 - 129				08/10/21 07:29	08/12/21 23:57	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8140	TH	11.4	5.0	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Antimony	17.1	U TL	17.1	0.45	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Arsenic	4.8		2.3	0.45	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Barium	29.4	TH	0.57	0.13	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Beryllium	0.43		0.23	0.032	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Cadmium	0.23	U	0.23	0.034	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Calcium	144000	B	114	7.5	mg/Kg	☼	08/06/21 12:44	08/10/21 18:42	2
Chromium	9.1		0.57	0.23	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Cobalt	4.6		0.57	0.057	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Copper	7.1		2.3	0.48	mg/Kg	☼	08/06/21 12:44	08/10/21 18:42	2
Iron	11400		11.4	4.0	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Lead	16.4		1.1	0.27	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Magnesium	24100		22.7	1.1	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	253	B	0.23	0.036	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Nickel	11.6		5.7	0.26	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Potassium	3920	TH	34.1	22.7	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Selenium	0.69	J	4.5	0.45	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Silver	0.68	U	0.68	0.23	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Sodium	175		159	14.8	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Thallium	6.8	U	6.8	0.34	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Vanadium	10.7		0.57	0.13	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1
Zinc	8.3		2.3	0.73	mg/Kg	☼	08/06/21 12:44	08/09/21 20:21	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	U	0.022	0.0052	mg/Kg	☼	08/09/21 15:01	08/09/21 17:26	1

Client Sample ID: B-12-138 (6-7)(08052021)

Lab Sample ID: 480-188023-5

Date Collected: 08/05/21 09:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 89.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,1,2,2-Tetrachloroethane	4.1	U TL	4.1	0.66	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,1,2-Trichloroethane	4.1	U	4.1	0.53	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2,4-Trichlorobenzene	4.1	U TL	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2-Dibromo-3-Chloropropane	4.1	U TL	4.1	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2-Dichlorobenzene	4.1	U TL	4.1	0.32	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,2-Dichloropropane	4.1	U	4.1	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,3-Dichlorobenzene	4.1	U TL	4.1	0.21	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
1,4-Dichlorobenzene	4.1	U TL	4.1	0.57	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
2-Butanone (MEK)	4.3	J	20	1.5	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
2-Hexanone	20	U	20	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
4-Methyl-2-pentanone (MIBK)	20	U	20	1.3	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Acetone	180		20	3.4	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Benzene	0.45	J	4.1	0.20	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Bromoform	4.1	U	4.1	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Carbon disulfide	4.1	U	4.1	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Chloroethane	4.1	U	4.1	0.92	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
cis-1,2-Dichloroethene	4.1	U	4.1	0.52	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (6-7)(08052021)

Lab Sample ID: 480-188023-5

Date Collected: 08/05/21 09:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 89.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	0.76	J	4.1	0.57	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Dibromochloromethane	4.1	U	4.1	0.52	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Isopropylbenzene	4.1	U TL	4.1	0.62	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Methyl acetate	3.3	J	20	2.5	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Methyl tert-butyl ether	4.1	U	4.1	0.40	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Methylcyclohexane	1.6	J	4.1	0.62	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Styrene	4.1	U	4.1	0.20	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Toluene	1.5	J	4.1	0.31	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.42	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Trichloroethene	4.1	U	4.1	0.90	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1
Xylenes, Total	0.99	J	8.2	0.69	ug/Kg	☼	08/06/21 09:00	08/10/21 22:20	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	4.1	T J	ug/Kg	☼	2.99		08/06/21 09:00	08/10/21 22:20	1
Unknown	5.8	T J	ug/Kg	☼	3.24		08/06/21 09:00	08/10/21 22:20	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/06/21 09:00	08/10/21 22:20	1
4-Bromofluorobenzene (Surr)	88		72 - 126	08/06/21 09:00	08/10/21 22:20	1
Dibromofluoromethane (Surr)	107		60 - 140	08/06/21 09:00	08/10/21 22:20	1
Toluene-d8 (Surr)	116		71 - 125	08/06/21 09:00	08/10/21 22:20	1

Client Sample ID: B-12-133 (4-5)(08052021)

Lab Sample ID: 480-188023-6

Date Collected: 08/05/21 10:35

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.9	U	4.9	0.35	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,1,2,2-Tetrachloroethane	4.9	U	4.9	0.79	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.9	U	4.9	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,1,2-Trichloroethane	4.9	U	4.9	0.63	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,1-Dichloroethane	4.9	U	4.9	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,1-Dichloroethene	4.9	U	4.9	0.60	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2,4-Trichlorobenzene	4.9	U	4.9	0.30	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2-Dibromo-3-Chloropropane	4.9	U	4.9	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2-Dibromoethane	4.9	U	4.9	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2-Dichlorobenzene	4.9	U	4.9	0.38	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2-Dichloroethane	4.9	U	4.9	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,2-Dichloropropane	4.9	U	4.9	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,3-Dichlorobenzene	4.9	U	4.9	0.25	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
1,4-Dichlorobenzene	4.9	U	4.9	0.68	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
2-Butanone (MEK)	24	U	24	1.8	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (4-5)(08052021)

Lab Sample ID: 480-188023-6

Date Collected: 08/05/21 10:35

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	24	U	24	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.6	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Acetone	24	U	24	4.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Benzene	4.9	U	4.9	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Bromodichloromethane	4.9	U	4.9	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Bromoform	4.9	U	4.9	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Bromomethane	4.9	U	4.9	0.44	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Carbon disulfide	3.4	J	4.9	2.4	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Carbon tetrachloride	4.9	U	4.9	0.47	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Chlorobenzene	4.9	U	4.9	0.64	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Chloroethane	4.9	U	4.9	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Chloroform	4.9	U	4.9	0.30	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Chloromethane	4.9	U	4.9	0.29	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
cis-1,2-Dichloroethene	4.9	U	4.9	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
cis-1,3-Dichloropropene	4.9	U	4.9	0.70	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Cyclohexane	4.9	U	4.9	0.68	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Dibromochloromethane	4.9	U	4.9	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Dichlorodifluoromethane	4.9	U	4.9	0.40	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Ethylbenzene	4.9	U	4.9	0.34	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Isopropylbenzene	4.9	U	4.9	0.73	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Methyl acetate	24	U	24	2.9	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Methyl tert-butyl ether	4.9	U	4.9	0.48	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Methylcyclohexane	4.9	U	4.9	0.74	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Methylene Chloride	4.9	U	4.9	2.2	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Styrene	4.9	U	4.9	0.24	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Tetrachloroethene	4.9	U	4.9	0.65	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Toluene	1.1	J	4.9	0.37	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
trans-1,2-Dichloroethene	4.9	U	4.9	0.50	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
trans-1,3-Dichloropropene	4.9	U	4.9	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Trichloroethene	4.9	U	4.9	1.1	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Trichlorofluoromethane	4.9	U	4.9	0.46	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Vinyl chloride	4.9	U	4.9	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1
Xylenes, Total	0.83	J	9.7	0.82	ug/Kg	☼	08/06/21 09:00	08/09/21 22:50	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	46	T J	ug/Kg	☼	9.64		08/06/21 09:00	08/09/21 22:50	1
Unknown	15	T J	ug/Kg	☼	11.41		08/06/21 09:00	08/09/21 22:50	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/06/21 09:00	08/09/21 22:50	1
4-Bromofluorobenzene (Surr)	95		72 - 126	08/06/21 09:00	08/09/21 22:50	1
Dibromofluoromethane (Surr)	109		60 - 140	08/06/21 09:00	08/09/21 22:50	1
Toluene-d8 (Surr)	110		71 - 125	08/06/21 09:00	08/09/21 22:50	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
1,4-Dioxane	120	U	120	65	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,3,4,6-Tetrachlorophenol	200	U TH	200	41	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4-Dinitrophenol	2000	U	2000	920	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,4-Dinitrotoluene	200	U TH	200	41	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2,6-Dinitrotoluene	200	U TH	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Chlorophenol	390	U	390	37	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Methylphenol	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Nitroaniline	390	U	390	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
2-Nitrophenol	200	U	200	57	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
3,3'-Dichlorobenzidine	390	U TH	390	240	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Bromophenyl phenyl ether	200	U TH	200	28	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Chloro-3-methylphenol	200	U TH	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Methylphenol	390	U	390	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Nitroaniline	390	U TH	390	100	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
4-Nitrophenol	390	U TH	390	140	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Anthracene	200	U TH	200	49	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Atrazine	200	U TH	200	69	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzo[a]anthracene	200	U TH	200	20	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzo[a]pyrene	200	U TH	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzo[b]fluoranthene	200	U TH	200	32	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Benzo[k]fluoranthene	200	U TH	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Caprolactam	200	U	200	60	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Carbazole	200	U TH	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Chrysene	200	U TH	200	45	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Dibenzofuran	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Diethyl phthalate	200	U TH	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Di-n-butyl phthalate	200	U TH	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Di-n-octyl phthalate	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Fluoranthene	200	U TH	200	21	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Fluorene	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Hexachlorobenzene	200	U TH	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Isophorone	200	U	200	42	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Pentachlorophenol	390	U TH	390	200	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Phenol	200	U	200	31	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1
Pyrene	200	U	200	24	ug/Kg	☼	08/09/21 08:05	08/11/21 18:19	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1200	T J	ug/Kg	☼	1.88		08/09/21 08:05	08/11/21 18:19	1
Unknown	260	T J	ug/Kg	☼	3.27		08/09/21 08:05	08/11/21 18:19	1
Ethane, 1,1,2,2-tetrachloro-	260	T J N	ug/Kg	☼	4.45	79-34-5	08/09/21 08:05	08/11/21 18:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	109		54 - 120	08/09/21 08:05	08/11/21 18:19	1
2-Fluorobiphenyl (Surr)	83		60 - 120	08/09/21 08:05	08/11/21 18:19	1
2-Fluorophenol (Surr)	72		52 - 120	08/09/21 08:05	08/11/21 18:19	1
Nitrobenzene-d5 (Surr)	80		53 - 120	08/09/21 08:05	08/11/21 18:19	1
Phenol-d5 (Surr)	73		54 - 120	08/09/21 08:05	08/11/21 18:19	1
p-Terphenyl-d14 (Surr)	110		79 - 130	08/09/21 08:05	08/11/21 18:19	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
4,4'-DDE	1.9	U	1.9	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Aldrin	1.9	U	1.9	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
beta-BHC	1.9	U	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
delta-BHC	1.9	U	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endosulfan sulfate	1.9	U	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endrin	1.9	U	1.9	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endrin aldehyde	1.5	J	1.9	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Endrin ketone	1.9	U	1.9	0.48	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 84.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.74	J B	1.9	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
Toxaphene	19	U	19	11	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1
trans-Chlordane	1.9	U	1.9	0.62	ug/Kg	☼	08/10/21 07:20	08/11/21 15:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		45 - 120	08/10/21 07:20	08/11/21 15:45	1
DCB Decachlorobiphenyl	113		45 - 120	08/10/21 07:20	08/11/21 15:45	1
Tetrachloro-m-xylene	104		30 - 124	08/10/21 07:20	08/11/21 15:45	1
Tetrachloro-m-xylene	105		30 - 124	08/10/21 07:20	08/11/21 15:45	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.039	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1221	0.20	U	0.20	0.039	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1232	0.20	U	0.20	0.039	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1242	0.20	U	0.20	0.039	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1248	0.20	U	0.20	0.039	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1254	0.20	U	0.20	0.094	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1
PCB-1260	0.20	U	0.20	0.094	mg/Kg	☼	08/10/21 14:57	08/11/21 17:57	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	114		60 - 154	08/10/21 14:57	08/11/21 17:57	1
Tetrachloro-m-xylene	115		60 - 154	08/10/21 14:57	08/11/21 17:57	1
DCB Decachlorobiphenyl	133		65 - 174	08/10/21 14:57	08/11/21 17:57	1
DCB Decachlorobiphenyl	112		65 - 174	08/10/21 14:57	08/11/21 17:57	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/10/21 07:29	08/13/21 00:27	1
Silvex (2,4,5-TP)	20	U	20	7.0	ug/Kg	☼	08/10/21 07:29	08/13/21 00:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	74		28 - 129	08/10/21 07:29	08/13/21 00:27	1
2,4-Dichlorophenylacetic acid	73		28 - 129	08/10/21 07:29	08/13/21 00:27	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8960		12.1	5.3	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Antimony	18.2	U	18.2	0.49	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Arsenic	4.8		2.4	0.49	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Barium	25.5		0.61	0.13	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Beryllium	0.51		0.24	0.034	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Cadmium	0.085	J	0.24	0.036	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Calcium	120000	B	121	8.0	mg/Kg	☼	08/06/21 12:44	08/10/21 19:01	2
Chromium	10.7		0.61	0.24	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Cobalt	4.9		0.61	0.061	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Copper	18.7		2.4	0.51	mg/Kg	☼	08/06/21 12:44	08/10/21 19:01	2
Iron	11900		12.1	4.3	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 84.3

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	16.4		1.2	0.29	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Magnesium	35500		24.3	1.1	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Manganese	294	B	0.24	0.039	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Nickel	11.5		6.1	0.28	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Potassium	3810		36.4	24.3	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Selenium	0.68	J	4.9	0.49	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Silver	0.73	U	0.73	0.24	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Sodium	159	J	170	15.8	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Thallium	7.3	U	7.3	0.36	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Vanadium	13.3		0.61	0.13	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1
Zinc	14.6		2.4	0.78	mg/Kg	☼	08/06/21 12:44	08/09/21 20:39	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0088	J	0.024	0.0054	mg/Kg	☼	08/09/21 15:01	08/09/21 17:33	1

Client Sample ID: B-12-133 (8-9)(08052021)

Lab Sample ID: 480-188023-8

Date Collected: 08/05/21 10:55

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.1	U	4.1	0.30	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,1,2,2-Tetrachloroethane	4.1	U	4.1	0.67	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.1	U	4.1	0.94	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,1,2-Trichloroethane	4.1	U	4.1	0.54	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,1-Dichloroethane	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,1-Dichloroethene	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2,4-Trichlorobenzene	4.1	U	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2-Dibromo-3-Chloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2-Dibromoethane	4.1	U	4.1	0.53	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2-Dichlorobenzene	4.1	U	4.1	0.32	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2-Dichloroethane	4.1	U	4.1	0.21	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,2-Dichloropropane	4.1	U	4.1	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,3-Dichlorobenzene	4.1	U	4.1	0.21	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
1,4-Dichlorobenzene	4.1	U	4.1	0.58	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
2-Butanone (MEK)	21	U	21	1.5	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
2-Hexanone	21	U	21	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
4-Methyl-2-pentanone (MIBK)	21	U	21	1.4	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Acetone	37		21	3.5	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Benzene	0.24	J	4.1	0.20	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Bromodichloromethane	4.1	U	4.1	0.55	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Bromoform	4.1	U	4.1	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Bromomethane	4.1	U	4.1	0.37	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Carbon disulfide	4.1	U	4.1	2.1	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Carbon tetrachloride	4.1	U	4.1	0.40	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Chlorobenzene	4.1	U	4.1	0.54	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Chloroethane	4.1	U	4.1	0.93	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Chloroform	4.1	U	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Chloromethane	4.1	U	4.1	0.25	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (8-9)(08052021)

Lab Sample ID: 480-188023-8

Date Collected: 08/05/21 10:55

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	4.1	U	4.1	0.53	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
cis-1,3-Dichloropropene	4.1	U	4.1	0.59	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Cyclohexane	4.1	U	4.1	0.58	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Dibromochloromethane	4.1	U	4.1	0.53	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Dichlorodifluoromethane	4.1	U	4.1	0.34	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Ethylbenzene	4.1	U	4.1	0.28	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Isopropylbenzene	4.1	U	4.1	0.62	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Methyl acetate	21	U	21	2.5	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Methyl tert-butyl ether	4.1	U	4.1	0.41	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Methylcyclohexane	4.1	U	4.1	0.63	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Methylene Chloride	4.1	U	4.1	1.9	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Styrene	4.1	U	4.1	0.21	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Tetrachloroethene	4.1	U	4.1	0.55	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Toluene	0.47	J	4.1	0.31	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
trans-1,2-Dichloroethene	4.1	U	4.1	0.43	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
trans-1,3-Dichloropropene	4.1	U	4.1	1.8	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Trichloroethene	4.1	U	4.1	0.91	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Trichlorofluoromethane	4.1	U	4.1	0.39	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Vinyl chloride	4.1	U	4.1	0.50	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Xylenes, Total	8.3	U	8.3	0.69	ug/Kg	☼	08/06/21 09:00	08/09/21 23:13	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ug/Kg	☼			08/06/21 09:00	08/09/21 23:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		64 - 126				08/06/21 09:00	08/09/21 23:13	1
4-Bromofluorobenzene (Surr)	98		72 - 126				08/06/21 09:00	08/09/21 23:13	1
Dibromofluoromethane (Surr)	102		60 - 140				08/06/21 09:00	08/09/21 23:13	1
Toluene-d8 (Surr)	103		71 - 125				08/06/21 09:00	08/09/21 23:13	1

Client Sample ID: B-12-133 (10-11)(08052021)

Lab Sample ID: 480-188023-9

Date Collected: 08/05/21 11:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 68.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.5	U	5.5	0.40	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,1,2,2-Tetrachloroethane	5.5	U TL	5.5	0.89	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,1,2-Trichloro-1,1,2,2-trifluoroethane	5.5	U	5.5	1.3	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,1,2-Trichloroethane	5.5	U	5.5	0.71	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,1-Dichloroethane	5.5	U	5.5	0.67	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,1-Dichloroethene	5.5	U	5.5	0.67	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2,4-Trichlorobenzene	5.5	U TL	5.5	0.33	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2-Dibromo-3-Chloropropane	5.5	U TL	5.5	2.7	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2-Dibromoethane	5.5	U	5.5	0.71	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2-Dichlorobenzene	5.5	U TL	5.5	0.43	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2-Dichloroethane	5.5	U	5.5	0.28	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,2-Dichloropropane	5.5	U	5.5	2.7	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,3-Dichlorobenzene	5.5	U TL	5.5	0.28	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
1,4-Dichlorobenzene	5.5	U TL	5.5	0.77	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (10-11)(08052021)

Lab Sample ID: 480-188023-9

Date Collected: 08/05/21 11:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 68.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	38		27	2.0	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
2-Hexanone	27	U	27	2.7	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
4-Methyl-2-pentanone (MIBK)	27	U	27	1.8	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Acetone	170		27	4.6	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Benzene	5.5	U	5.5	0.27	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Bromodichloromethane	5.5	U	5.5	0.74	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Bromoform	5.5	U	5.5	2.7	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Bromomethane	5.5	U	5.5	0.49	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Carbon disulfide	5.5	U	5.5	2.7	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Carbon tetrachloride	5.5	U	5.5	0.53	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Chlorobenzene	5.5	U	5.5	0.73	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Chloroethane	5.5	U	5.5	1.2	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Chloroform	5.5	U	5.5	0.34	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Chloromethane	5.5	U	5.5	0.33	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
cis-1,2-Dichloroethene	5.5	U	5.5	0.70	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
cis-1,3-Dichloropropene	5.5	U	5.5	0.79	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Cyclohexane	0.79	J	5.5	0.77	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Dibromochloromethane	5.5	U	5.5	0.70	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Dichlorodifluoromethane	5.5	U	5.5	0.45	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Ethylbenzene	5.5	U	5.5	0.38	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Isopropylbenzene	5.5	U TL	5.5	0.83	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Methyl acetate	27	U	27	3.3	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Methyl tert-butyl ether	5.5	U	5.5	0.54	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Methylcyclohexane	5.5	U	5.5	0.84	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Methylene Chloride	5.5	U	5.5	2.5	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Styrene	5.5	U	5.5	0.27	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Tetrachloroethene	5.5	U	5.5	0.74	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Toluene	18		5.5	0.42	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
trans-1,2-Dichloroethene	5.5	U	5.5	0.57	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
trans-1,3-Dichloropropene	5.5	U	5.5	2.4	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Trichloroethene	5.5	U	5.5	1.2	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Trichlorofluoromethane	5.5	U	5.5	0.52	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Vinyl chloride	5.5	U	5.5	0.67	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1
Xylenes, Total	11	U	11	0.92	ug/Kg	☼	08/06/21 09:00	08/10/21 22:43	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	67	T J	ug/Kg	☼	9.64		08/06/21 09:00	08/10/21 22:43	1
Unknown	16	T J	ug/Kg	☼	11.41		08/06/21 09:00	08/10/21 22:43	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	08/06/21 09:00	08/10/21 22:43	1
4-Bromofluorobenzene (Surr)	87		72 - 126	08/06/21 09:00	08/10/21 22:43	1
Dibromofluoromethane (Surr)	108		60 - 140	08/06/21 09:00	08/10/21 22:43	1
Toluene-d8 (Surr)	122		71 - 125	08/06/21 09:00	08/10/21 22:43	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 72.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	230	U	230	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
1,4-Dioxane	140	U	140	75	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,3,4,6-Tetrachlorophenol	230	U TH	230	48	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4,5-Trichlorophenol	230	U	230	63	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4,6-Trichlorophenol	230	U	230	47	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4-Dichlorophenol	230	U	230	25	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4-Dimethylphenol	230	U	230	56	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4-Dinitrophenol	2300	U	2300	1100	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,4-Dinitrotoluene	230	U TH	230	48	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2,6-Dinitrotoluene	230	U TH	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Chloronaphthalene	230	U	230	38	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Chlorophenol	450	U	450	43	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Methylnaphthalene	230	U	230	47	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Methylphenol	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Nitroaniline	450	U	450	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
2-Nitrophenol	230	U	230	66	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
3,3'-Dichlorobenzidine	450	U TH	450	270	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
3-Nitroaniline	450	U	450	64	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4,6-Dinitro-2-methylphenol	450	U	450	230	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Bromophenyl phenyl ether	230	U TH	230	33	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Chloro-3-methylphenol	230	U TH	230	58	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Chloroaniline	230	U	230	58	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Chlorophenyl phenyl ether	230	U	230	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Methylphenol	450	U	450	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Nitroaniline	450	U TH	450	120	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
4-Nitrophenol	450	U TH	450	160	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Acenaphthene	230	U	230	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Acenaphthylene	230	U	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Acetophenone	230	U	230	32	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Anthracene	230	U TH	230	58	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Atrazine	230	U TH	230	81	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzaldehyde	230	U	230	190	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzo[a]anthracene	230	U TH	230	23	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzo[a]pyrene	230	U TH	230	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzo[b]fluoranthene	230	U TH	230	37	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzo[g,h,i]perylene	230	U	230	25	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Benzo[k]fluoranthene	230	U TH	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Biphenyl	230	U	230	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
bis (2-chloroisopropyl) ether	230	U	230	47	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Bis(2-chloroethoxy)methane	230	U	230	49	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Bis(2-chloroethyl)ether	230	U	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Bis(2-ethylhexyl) phthalate	230	U	230	80	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Butyl benzyl phthalate	230	U	230	38	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Caprolactam	230	U	230	70	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Carbazole	230	U TH	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Chrysene	230	U TH	230	52	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Dibenz(a,h)anthracene	230	U	230	41	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Dibenzofuran	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Diethyl phthalate	230	U TH	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 72.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Di-n-butyl phthalate	230	U TH	230	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Di-n-octyl phthalate	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Fluoranthene	230	U TH	230	25	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Fluorene	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Hexachlorobenzene	230	U TH	230	32	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Hexachlorobutadiene	230	U	230	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Hexachlorocyclopentadiene	230	U	230	32	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Hexachloroethane	230	U	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Indeno[1,2,3-cd]pyrene	230	U	230	29	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Isophorone	230	U	230	49	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Naphthalene	230	U	230	30	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Nitrobenzene	230	U	230	26	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
N-Nitrosodi-n-propylamine	230	U	230	40	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
N-Nitrosodiphenylamine	230	U	230	190	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Pentachlorophenol	450	U TH	450	230	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Phenanthrene	230	U	230	34	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Phenol	230	U	230	36	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1
Pyrene	230	U	230	27	ug/Kg	☼	08/09/21 08:05	08/11/21 18:42	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	3500	T J	ug/Kg	☼	1.90		08/09/21 08:05	08/11/21 18:42	1
Unknown	400	T J	ug/Kg	☼	1.96		08/09/21 08:05	08/11/21 18:42	1
Unknown	300	T J	ug/Kg	☼	3.28		08/09/21 08:05	08/11/21 18:42	1
Ethane, 1,1,2,2-tetrachloro-	300	T J N	ug/Kg	☼	4.45	79-34-5	08/09/21 08:05	08/11/21 18:42	1
Cyclic octaatomic sulfur	190	T J N	ug/Kg	☼	11.99	10544-50-0	08/09/21 08:05	08/11/21 18:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	106		54 - 120	08/09/21 08:05	08/11/21 18:42	1
2-Fluorobiphenyl (Surr)	84		60 - 120	08/09/21 08:05	08/11/21 18:42	1
2-Fluorophenol (Surr)	72		52 - 120	08/09/21 08:05	08/11/21 18:42	1
Nitrobenzene-d5 (Surr)	82		53 - 120	08/09/21 08:05	08/11/21 18:42	1
Phenol-d5 (Surr)	78		54 - 120	08/09/21 08:05	08/11/21 18:42	1
p-Terphenyl-d14 (Surr)	99		79 - 130	08/09/21 08:05	08/11/21 18:42	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.2	U	2.2	0.44	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
4,4'-DDE	2.2	U	2.2	0.47	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
4,4'-DDT	2.2	U	2.2	0.53	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Aldrin	2.2	U	2.2	0.55	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
alpha-BHC	0.67	J	2.2	0.40	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
beta-BHC	2.2	U	2.2	0.40	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
cis-Chlordane	2.2	U	2.2	1.1	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
delta-BHC	0.75	J	2.2	0.42	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Dieldrin	2.2	U	2.2	0.54	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Endosulfan I	2.2	U	2.2	0.43	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Endosulfan II	2.2	U	2.2	0.40	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Endosulfan sulfate	0.65	J	2.2	0.42	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Endrin	2.2	U	2.2	0.44	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 72.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	2.2	U	2.2	0.57	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Endrin ketone	0.94	J	2.2	0.55	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
gamma-BHC (Lindane)	0.67	J B	2.2	0.41	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Heptachlor	2.2	U	2.2	0.49	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Heptachlor epoxide	2.2	U	2.2	0.58	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Methoxychlor	1.5	J	2.2	0.46	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Toxaphene	22	U	22	13	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
trans-Chlordane	1.3	J	2.2	0.71	ug/Kg	☼	08/10/21 07:20	08/12/21 10:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	94		45 - 120				08/10/21 07:20	08/12/21 10:04	1
DCB Decachlorobiphenyl	126	TH	45 - 120				08/10/21 07:20	08/12/21 10:04	1
Tetrachloro-m-xylene	99		30 - 124				08/10/21 07:20	08/12/21 10:04	1
Tetrachloro-m-xylene	118		30 - 124				08/10/21 07:20	08/12/21 10:04	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.29	U	0.29	0.057	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1221	0.29	U	0.29	0.057	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1232	0.29	U	0.29	0.057	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1242	0.29	U	0.29	0.057	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1248	0.29	U	0.29	0.057	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1254	0.29	U	0.29	0.14	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
PCB-1260	0.29	U	0.29	0.14	mg/Kg	☼	08/10/21 14:57	08/11/21 18:10	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	102		60 - 154				08/10/21 14:57	08/11/21 18:10	1
Tetrachloro-m-xylene	102		60 - 154				08/10/21 14:57	08/11/21 18:10	1
DCB Decachlorobiphenyl	117		65 - 174				08/10/21 14:57	08/11/21 18:10	1
DCB Decachlorobiphenyl	101		65 - 174				08/10/21 14:57	08/11/21 18:10	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	23	U	23	14	ug/Kg	☼	08/10/21 07:29	08/13/21 00:56	1
Silvex (2,4,5-TP)	23	U	23	8.2	ug/Kg	☼	08/10/21 07:29	08/13/21 00:56	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	78		28 - 129				08/10/21 07:29	08/13/21 00:56	1
2,4-Dichlorophenylacetic acid	79		28 - 129				08/10/21 07:29	08/13/21 00:56	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	17600		13.4	5.9	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Antimony	20.1	U	20.1	0.54	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Arsenic	6.7		2.7	0.54	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Barium	56.9		0.67	0.15	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Beryllium	0.89		0.27	0.038	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Cadmium	0.28		0.27	0.040	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Calcium	3400	B	67.0	4.4	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Chromium	20.9		0.67	0.27	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Cobalt	10.3		0.67	0.067	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 72.2

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	14.2		1.3	0.28	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Iron	25000		13.4	4.7	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Lead	23.4		1.3	0.32	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Magnesium	3770		26.8	1.2	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Manganese	774	B	0.27	0.043	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Nickel	21.5		6.7	0.31	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Potassium	4480		40.2	26.8	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Selenium	2.0	J	5.4	0.54	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Silver	0.80	U	0.80	0.27	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Sodium	75.7	J	188	17.4	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Thallium	8.0	U	8.0	0.40	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Vanadium	27.6		0.67	0.15	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1
Zinc	63.1		2.7	0.86	mg/Kg	☼	08/06/21 12:44	08/09/21 20:43	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.037		0.034	0.0079	mg/Kg	☼	08/09/21 15:01	08/09/21 17:35	1

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-188023-1	B-12-138 (0-1)(08052021)	98	99	101	98
480-188023-3	B-12-138 (2-3)(08052021)	106	105	108	104
480-188023-5	B-12-138 (6-7)(08052021)	106	88	107	116
480-188023-6	B-12-133 (4-5)(08052021)	106	95	109	110
480-188023-8	B-12-133 (8-9)(08052021)	100	98	102	103
480-188023-9	B-12-133 (10-11)(08052021)	107	87	108	122
LCS 480-592250/1-A	Lab Control Sample	100	101	100	99
LCS 480-592433/1-A	Lab Control Sample	101	102	100	97
MB 480-592250/2-A	Method Blank	100	105	103	99
MB 480-592433/2-A	Method Blank	99	106	107	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
 BFB = 4-Bromofluorobenzene (Surr)
 DBFM = Dibromofluoromethane (Surr)
 TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-188023-2	B-12-138 (1-2)(08052021)	105	85	75	79	80	99
480-188023-4	B-12-138 (5-6)(08052021)	102	81	74	80	76	98
480-188023-4 MS	B-12-138 (5-6)(08052021)	125 TH	90	78	80	81	105
480-188023-4 MSD	B-12-138 (5-6)(08052021)	124 TH	90	79	81	82	107
480-188023-7	B-12-133 (6-7)(08052021)	109	83	72	80	73	110
480-188023-10	B-12-133 (13-14)(08052021)	106	84	72	82	78	99
LCS 480-592142/2-A	Lab Control Sample	154 TH	105	91	97	97	131 TH
MB 480-592142/1-A	Method Blank	144 TH	105	93	103	96	138 TH

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
 FBP = 2-Fluorobiphenyl (Surr)
 2FP = 2-Fluorophenol (Surr)
 NBZ = Nitrobenzene-d5 (Surr)
 PHL = Phenol-d5 (Surr)
 TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-188023-2	B-12-138 (1-2)(08052021)	84	111	110	114
480-188023-4	B-12-138 (5-6)(08052021)	75	120	105	120
480-188023-7	B-12-133 (6-7)(08052021)	80	113	104	105
480-188023-10	B-12-133 (13-14)(08052021)	94	126 TH	99	118
LCS 480-592259/2-A	Lab Control Sample	82	108	75	88

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
MB 480-592259/1-A	Method Blank	78	100	75	79
Surrogate Legend					
DCBP = DCB Decachlorobiphenyl					
TCX = Tetrachloro-m-xylene					

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-188023-2	B-12-138 (1-2)(08052021)	108	108	106	125
480-188023-4	B-12-138 (5-6)(08052021)	104	102	100	117
480-188023-7	B-12-133 (6-7)(08052021)	115	114	112	133
480-188023-10	B-12-133 (13-14)(08052021)	102	102	101	117
LCS 480-592383/2-A	Lab Control Sample	133	131	132	161
MB 480-592383/1-A	Method Blank	113	98	98	121
Surrogate Legend					
TCX = Tetrachloro-m-xylene					
DCBP = DCB Decachlorobiphenyl					

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-188023-2	B-12-138 (1-2)(08052021)	71	70
480-188023-4	B-12-138 (5-6)(08052021)	71	67
480-188023-7	B-12-133 (6-7)(08052021)	74	73
480-188023-10	B-12-133 (13-14)(08052021)	78	79
LCS 480-592261/2-A	Lab Control Sample	77	89
MB 480-592261/1-A	Method Blank	73	71
Surrogate Legend			
DCPAA = 2,4-Dichlorophenylacetic acid			

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-592250/2-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592250

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Acetone	25	U	25	4.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroform	0.325	J	5.0	0.31	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/09/21 18:45	08/09/21 20:16	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592250/2-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592250

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>Tentatively Identified Compound</i>	<i>None</i>		<i>ug/Kg</i>				<i>08/09/21 18:45</i>	<i>08/09/21 20:16</i>	<i>1</i>

<i>Surrogate</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
<i>1,2-Dichloroethane-d4 (Surr)</i>	<i>100</i>		<i>64 - 126</i>	<i>08/09/21 18:45</i>	<i>08/09/21 20:16</i>	<i>1</i>
<i>4-Bromofluorobenzene (Surr)</i>	<i>105</i>		<i>72 - 126</i>	<i>08/09/21 18:45</i>	<i>08/09/21 20:16</i>	<i>1</i>
<i>Dibromofluoromethane (Surr)</i>	<i>103</i>		<i>60 - 140</i>	<i>08/09/21 18:45</i>	<i>08/09/21 20:16</i>	<i>1</i>
<i>Toluene-d8 (Surr)</i>	<i>99</i>		<i>71 - 125</i>	<i>08/09/21 18:45</i>	<i>08/09/21 20:16</i>	<i>1</i>

Lab Sample ID: LCS 480-592250/1-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592250

<i>Analyte</i>	<i>Spike Added</i>	<i>LCS Result</i>	<i>LCS Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
1,1,1-Trichloroethane	50.0	49.9		ug/Kg		100	77 - 121
1,1,1,2-Tetrachloroethane	50.0	47.4		ug/Kg		95	80 - 120
1,1,1,2-Trichloro-1,1,2,2-trifluoroethane	50.0	49.1		ug/Kg		98	60 - 140
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	50.3		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	48.7		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	49.2		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.8		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	50.0		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	230		ug/Kg		92	70 - 134
2-Hexanone	250	237		ug/Kg		95	59 - 130
4-Methyl-2-pentanone (MIBK)	250	217		ug/Kg		87	65 - 133
Acetone	250	230		ug/Kg		92	61 - 137
Benzene	50.0	50.9		ug/Kg		102	79 - 127
Bromodichloromethane	50.0	51.2		ug/Kg		102	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	53.8		ug/Kg		108	37 - 149
Carbon disulfide	50.0	50.5		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	51.1		ug/Kg		102	75 - 135
Chlorobenzene	50.0	51.3		ug/Kg		103	76 - 124
Chloroethane	50.0	52.2		ug/Kg		104	69 - 135
Chloroform	50.0	48.7		ug/Kg		97	80 - 120
Chloromethane	50.0	48.3		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	51.8		ug/Kg		104	80 - 120
Cyclohexane	50.0	46.5		ug/Kg		93	65 - 120
Dibromochloromethane	50.0	51.9		ug/Kg		104	76 - 125
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	57 - 142
Ethylbenzene	50.0	50.4		ug/Kg		101	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592250/1-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	50.0		ug/Kg		100	72 - 120
Methyl acetate	100	86.9		ug/Kg		87	55 - 136
Methyl tert-butyl ether	50.0	46.8		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	49.1		ug/Kg		98	60 - 140
Methylene Chloride	50.0	49.4		ug/Kg		99	61 - 127
Styrene	50.0	50.2		ug/Kg		100	80 - 120
Tetrachloroethene	50.0	51.3		ug/Kg		103	74 - 122
Toluene	50.0	50.8		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	50.9		ug/Kg		102	78 - 126
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	50.2		ug/Kg		100	65 - 146
Vinyl chloride	50.0	51.2		ug/Kg		102	61 - 133
Xylenes, Total	100	100		ug/Kg		100	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Lab Sample ID: MB 480-592433/2-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592433

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Acetone	25	U	25	4.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592433/2-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592433

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/10/21 19:20	08/10/21 20:11	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/10/21 19:20	08/10/21 20:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	08/10/21 19:20	08/10/21 20:11	1
4-Bromofluorobenzene (Surr)	106		72 - 126	08/10/21 19:20	08/10/21 20:11	1
Dibromofluoromethane (Surr)	107		60 - 140	08/10/21 19:20	08/10/21 20:11	1
Toluene-d8 (Surr)	100		71 - 125	08/10/21 19:20	08/10/21 20:11	1

Lab Sample ID: LCS 480-592433/1-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592433

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.4		ug/Kg		95	60 - 140
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	78 - 122
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	48.5		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	50.0	49.8		ug/Kg		100	64 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592433/1-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592433

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
1,2-Dibromo-3-Chloropropane	50.0	46.6		ug/Kg		93	63 - 124
1,2-Dibromoethane	50.0	49.1		ug/Kg		98	78 - 120
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	227		ug/Kg		91	70 - 134
2-Hexanone	250	232		ug/Kg		93	59 - 130
4-Methyl-2-pentanone (MIBK)	250	216		ug/Kg		86	65 - 133
Acetone	250	234		ug/Kg		93	61 - 137
Benzene	50.0	50.4		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	50.0		ug/Kg		100	80 - 122
Bromoform	50.0	49.8		ug/Kg		100	68 - 126
Bromomethane	50.0	53.6		ug/Kg		107	37 - 149
Carbon disulfide	50.0	50.2		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	50.5		ug/Kg		101	75 - 135
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
Chloroethane	50.0	51.1		ug/Kg		102	69 - 135
Chloroform	50.0	48.3		ug/Kg		97	80 - 120
Chloromethane	50.0	46.1		ug/Kg		92	63 - 127
cis-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	50.9		ug/Kg		102	76 - 125
Dichlorodifluoromethane	50.0	47.6		ug/Kg		95	57 - 142
Ethylbenzene	50.0	48.9		ug/Kg		98	80 - 120
Isopropylbenzene	50.0	49.1		ug/Kg		98	72 - 120
Methyl acetate	100	85.7		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	46.9		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	47.5		ug/Kg		95	60 - 140
Methylene Chloride	50.0	51.9		ug/Kg		104	61 - 127
Styrene	50.0	49.6		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	49.7		ug/Kg		99	74 - 122
Toluene	50.0	48.9		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	78 - 126
Trichloroethene	50.0	49.4		ug/Kg		99	77 - 129
Trichlorofluoromethane	50.0	48.5		ug/Kg		97	65 - 146
Vinyl chloride	50.0	48.5		ug/Kg		97	61 - 133
Xylenes, Total	100	98.5		ug/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	97		71 - 125

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-592142/1-A

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592142

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	29	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
1,4-Dioxane	100	U	100	55	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,3,4,6-Tetrachlorophenol	170	U	170	35	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4,5-Trichlorophenol	170	U	170	46	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4,6-Trichlorophenol	170	U	170	34	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4-Dimethylphenol	170	U	170	41	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4-Dinitrophenol	1700	U	1700	780	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,4-Dinitrotoluene	170	U	170	35	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Chloronaphthalene	170	U	170	28	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Chlorophenol	330	U	330	31	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Methylnaphthalene	170	U	170	34	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Methylphenol	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Nitroaniline	330	U	330	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
2-Nitrophenol	170	U	170	48	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
3,3'-Dichlorobenzidine	330	U	330	200	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
3-Nitroaniline	330	U	330	47	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4,6-Dinitro-2-methylphenol	330	U	330	170	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Bromophenyl phenyl ether	170	U	170	24	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Chloro-3-methylphenol	170	U	170	42	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Chloroaniline	170	U	170	42	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Chlorophenyl phenyl ether	170	U	170	21	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Methylphenol	330	U	330	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Nitroaniline	330	U	330	89	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
4-Nitrophenol	330	U	330	120	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Acenaphthene	170	U	170	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Acenaphthylene	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Acetophenone	170	U	170	23	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Anthracene	170	U	170	42	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Atrazine	170	U	170	59	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzaldehyde	170	U	170	130	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzo[a]pyrene	170	U	170	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzo[b]fluoranthene	170	U	170	27	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Benzo[k]fluoranthene	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Biphenyl	170	U	170	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
bis (2-chloroisopropyl) ether	170	U	170	34	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Bis(2-chloroethoxy)methane	170	U	170	36	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Bis(2-chloroethyl)ether	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Bis(2-ethylhexyl) phthalate	170	U	170	58	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Butyl benzyl phthalate	170	U	170	28	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Caprolactam	170	U	170	51	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Carbazole	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Chrysene	170	U	170	38	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Dibenz(a,h)anthracene	170	U	170	30	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Dibenzofuran	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-592142/1-A

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592142

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Dimethyl phthalate	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Di-n-butyl phthalate	170	U	170	29	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Fluoranthene	170	U	170	18	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Fluorene	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Hexachlorobenzene	170	U	170	23	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Hexachlorobutadiene	170	U	170	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Hexachlorocyclopentadiene	170	U	170	23	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Hexachloroethane	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Indeno[1,2,3-cd]pyrene	170	U	170	21	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Isophorone	170	U	170	36	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Naphthalene	170	U	170	22	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Nitrobenzene	170	U	170	19	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
N-Nitrosodi-n-propylamine	170	U	170	29	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
N-Nitrosodiphenylamine	170	U	170	140	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Pentachlorophenol	330	U	330	170	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Phenanthrene	170	U	170	25	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Phenol	170	U	170	26	ug/Kg		08/09/21 08:05	08/11/21 15:54	1
Pyrene	170	U	170	20	ug/Kg		08/09/21 08:05	08/11/21 15:54	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/09/21 08:05	08/11/21 15:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	144	TH	54 - 120	08/09/21 08:05	08/11/21 15:54	1
2-Fluorobiphenyl (Surr)	105		60 - 120	08/09/21 08:05	08/11/21 15:54	1
2-Fluorophenol (Surr)	93		52 - 120	08/09/21 08:05	08/11/21 15:54	1
Nitrobenzene-d5 (Surr)	103		53 - 120	08/09/21 08:05	08/11/21 15:54	1
Phenol-d5 (Surr)	96		54 - 120	08/09/21 08:05	08/11/21 15:54	1
p-Terphenyl-d14 (Surr)	138	TH	79 - 130	08/09/21 08:05	08/11/21 15:54	1

Lab Sample ID: LCS 480-592142/2-A

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1630	1740		ug/Kg		106	59 - 125
1,4-Dioxane	1630	704		ug/Kg		43	23 - 120
2,3,4,6-Tetrachlorophenol	1630	2220	TH	ug/Kg		136	64 - 120
2,4,5-Trichlorophenol	1630	1950		ug/Kg		119	59 - 126
2,4,6-Trichlorophenol	1630	1850		ug/Kg		113	59 - 123
2,4-Dichlorophenol	1630	1850		ug/Kg		113	61 - 120
2,4-Dimethylphenol	1630	1900		ug/Kg		116	59 - 120
2,4-Dinitrophenol	3270	3230		ug/Kg		99	41 - 146
2,4-Dinitrotoluene	1630	2030	TH	ug/Kg		124	63 - 120
2,6-Dinitrotoluene	1630	1980	TH	ug/Kg		121	66 - 120
2-Chloronaphthalene	1630	1620		ug/Kg		99	57 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592142/2-A

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	1630	1610		ug/Kg		98	53 - 120
2-Methylnaphthalene	1630	1700		ug/Kg		104	59 - 120
2-Methylphenol	1630	1690		ug/Kg		104	54 - 120
2-Nitroaniline	1630	1810		ug/Kg		111	61 - 120
2-Nitrophenol	1630	1620		ug/Kg		99	56 - 120
3,3'-Dichlorobenzidine	3270	4070	TH	ug/Kg		125	54 - 120
3-Nitroaniline	1630	1840		ug/Kg		113	48 - 120
4,6-Dinitro-2-methylphenol	3270	3870		ug/Kg		118	49 - 122
4-Bromophenyl phenyl ether	1630	2150	TH	ug/Kg		132	58 - 120
4-Chloro-3-methylphenol	1630	2080	TH	ug/Kg		127	61 - 120
4-Chloroaniline	1630	1750		ug/Kg		107	38 - 120
4-Chlorophenyl phenyl ether	1630	2030		ug/Kg		124	63 - 124
4-Methylphenol	1630	1690		ug/Kg		104	55 - 120
4-Nitroaniline	1630	2040	TH	ug/Kg		125	56 - 120
4-Nitrophenol	3270	5350	TH	ug/Kg		164	43 - 147
Acenaphthene	1630	1690		ug/Kg		104	62 - 120
Acenaphthylene	1630	1910		ug/Kg		117	58 - 121
Acetophenone	1630	1680		ug/Kg		103	54 - 120
Anthracene	1630	2010	TH	ug/Kg		123	62 - 120
Atrazine	3270	4710	TH	ug/Kg		144	60 - 127
Benzaldehyde	3270	3360	E	ug/Kg		103	10 - 150
Benzo[a]anthracene	1630	2030	TH	ug/Kg		124	65 - 120
Benzo[a]pyrene	1630	2020	TH	ug/Kg		124	64 - 120
Benzo[b]fluoranthene	1630	2070	TH	ug/Kg		127	64 - 120
Benzo[g,h,i]perylene	1630	1970		ug/Kg		120	45 - 145
Benzo[k]fluoranthene	1630	2010	TH	ug/Kg		123	65 - 120
Biphenyl	1630	1640		ug/Kg		100	59 - 120
bis (2-chloroisopropyl) ether	1630	851		ug/Kg		52	44 - 120
Bis(2-chloroethoxy)methane	1630	1580		ug/Kg		97	55 - 120
Bis(2-chloroethyl)ether	1630	1350		ug/Kg		83	45 - 120
Bis(2-ethylhexyl) phthalate	1630	2130		ug/Kg		131	61 - 133
Butyl benzyl phthalate	1630	2040		ug/Kg		125	61 - 129
Caprolactam	3270	3750		ug/Kg		115	47 - 120
Carbazole	1630	1980	TH	ug/Kg		121	65 - 120
Chrysene	1630	2030	TH	ug/Kg		124	64 - 120
Dibenz(a,h)anthracene	1630	2110		ug/Kg		129	54 - 132
Dibenzofuran	1630	1810		ug/Kg		111	63 - 120
Diethyl phthalate	1630	2310	TH	ug/Kg		141	66 - 120
Dimethyl phthalate	1630	2020		ug/Kg		124	65 - 124
Di-n-butyl phthalate	1630	2220	TH	ug/Kg		136	58 - 130
Di-n-octyl phthalate	1630	1930		ug/Kg		118	57 - 133
Fluoranthene	1630	2090	TH	ug/Kg		128	62 - 120
Fluorene	1630	1970		ug/Kg		120	63 - 120
Hexachlorobenzene	1630	2360	TH	ug/Kg		144	60 - 120
Hexachlorobutadiene	1630	1860		ug/Kg		114	45 - 120
Hexachlorocyclopentadiene	1630	1560		ug/Kg		96	47 - 120
Hexachloroethane	1630	1430		ug/Kg		87	41 - 120
Indeno[1,2,3-cd]pyrene	1630	1980		ug/Kg		121	56 - 134
Isophorone	1630	1690		ug/Kg		104	56 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592142/2-A

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	1630	1550		ug/Kg		95	55 - 120
Nitrobenzene	1630	1490		ug/Kg		91	54 - 120
N-Nitrosodi-n-propylamine	1630	1520		ug/Kg		93	52 - 120
N-Nitrosodiphenylamine	1630	1910		ug/Kg		117	51 - 128
Pentachlorophenol	3270	4270	TH	ug/Kg		131	51 - 120
Phenanthrene	1630	1900		ug/Kg		116	60 - 120
Phenol	1630	1620		ug/Kg		99	53 - 120
Pyrene	1630	1980		ug/Kg		121	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	154	TH	54 - 120
2-Fluorobiphenyl (Surr)	105		60 - 120
2-Fluorophenol (Surr)	91		52 - 120
Nitrobenzene-d5 (Surr)	97		53 - 120
Phenol-d5 (Surr)	97		54 - 120
p-Terphenyl-d14 (Surr)	131	TH	79 - 130

Lab Sample ID: 480-188023-4 MS

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: B-12-138 (5-6)(08052021)

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	200	U	1970	1800		ug/Kg	✱	91	59 - 120
1,4-Dioxane	120	U	1970	759		ug/Kg	✱	39	13 - 120
2,3,4,6-Tetrachlorophenol	200	U TH	1970	1880		ug/Kg	✱	95	50 - 150
2,4,5-Trichlorophenol	200	U	1970	1810		ug/Kg	✱	92	46 - 120
2,4,6-Trichlorophenol	200	U	1970	1800		ug/Kg	✱	91	41 - 123
2,4-Dichlorophenol	200	U	1970	1730		ug/Kg	✱	88	45 - 120
2,4-Dimethylphenol	200	U	1970	1700		ug/Kg	✱	86	52 - 120
2,4-Dinitrophenol	1900	U	3940	2760		ug/Kg	✱	70	41 - 146
2,4-Dinitrotoluene	200	U TH	1970	1920		ug/Kg	✱	98	63 - 125
2,6-Dinitrotoluene	200	U TH	1970	1750		ug/Kg	✱	89	66 - 120
2-Chloronaphthalene	200	U	1970	1630		ug/Kg	✱	83	57 - 120
2-Chlorophenol	390	U	1970	1580		ug/Kg	✱	80	43 - 120
2-Methylnaphthalene	200	U	1970	1670		ug/Kg	✱	85	55 - 120
2-Methylphenol	200	U	1970	1640		ug/Kg	✱	83	48 - 120
2-Nitroaniline	390	U	1970	1850		ug/Kg	✱	94	61 - 120
2-Nitrophenol	200	U	1970	1540		ug/Kg	✱	78	37 - 120
3,3'-Dichlorobenzidine	390	U TH	3940	3650		ug/Kg	✱	93	37 - 126
3-Nitroaniline	390	U	1970	1640		ug/Kg	✱	83	48 - 120
4,6-Dinitro-2-methylphenol	390	U	3940	3590		ug/Kg	✱	91	23 - 149
4-Bromophenyl phenyl ether	200	U TH	1970	2130		ug/Kg	✱	108	58 - 120
4-Chloro-3-methylphenol	200	U TH	1970	2020		ug/Kg	✱	103	49 - 125
4-Chloroaniline	200	U	1970	1600		ug/Kg	✱	81	38 - 120
4-Chlorophenyl phenyl ether	200	U	1970	1780		ug/Kg	✱	91	63 - 124
4-Methylphenol	390	U	1970	1670		ug/Kg	✱	85	50 - 120
4-Nitroaniline	390	U TH	1970	1630		ug/Kg	✱	83	47 - 120
4-Nitrophenol	390	U TH	3940	4330		ug/Kg	✱	110	31 - 147

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188023-4 MS

Client Sample ID: B-12-138 (5-6)(08052021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592528

Prep Batch: 592142

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
Acenaphthene	200	U	1970	1590		ug/Kg	*	81	60 - 120
Acenaphthylene	200	U	1970	1710		ug/Kg	*	87	58 - 121
Acetophenone	200	U	1970	1700		ug/Kg	*	86	47 - 120
Anthracene	200	U TH	1970	1850		ug/Kg	*	94	62 - 120
Atrazine	200	U TH	3940	3880		ug/Kg	*	99	60 - 150
Benzaldehyde	200	U	3940	3340	E	ug/Kg	*	85	10 - 150
Benzo[a]anthracene	200	U TH	1970	1800		ug/Kg	*	91	65 - 120
Benzo[a]pyrene	200	U TH	1970	1720		ug/Kg	*	87	64 - 120
Benzo[b]fluoranthene	200	U TH	1970	1690		ug/Kg	*	86	10 - 150
Benzo[g,h,i]perylene	200	U	1970	1750		ug/Kg	*	89	45 - 145
Benzo[k]fluoranthene	200	U TH	1970	1850		ug/Kg	*	94	23 - 150
Biphenyl	200	U	1970	1620		ug/Kg	*	82	58 - 120
bis (2-chloroisopropyl) ether	200	U	1970	894		ug/Kg	*	45	31 - 120
Bis(2-chloroethoxy)methane	200	U	1970	1430		ug/Kg	*	72	52 - 120
Bis(2-chloroethyl)ether	200	U	1970	1340		ug/Kg	*	68	45 - 120
Bis(2-ethylhexyl) phthalate	200	U	1970	1880		ug/Kg	*	95	61 - 133
Butyl benzyl phthalate	200	U	1970	1770		ug/Kg	*	90	61 - 120
Caprolactam	200	U T	3940	2130		ug/Kg	*	54	37 - 133
Carbazole	200	U TH	1970	1890		ug/Kg	*	96	59 - 120
Chrysene	200	U TH	1970	1840		ug/Kg	*	94	64 - 120
Dibenz(a,h)anthracene	200	U	1970	1860		ug/Kg	*	94	54 - 132
Dibenzofuran	200	U	1970	1670		ug/Kg	*	85	62 - 120
Diethyl phthalate	200	U TH	1970	1880		ug/Kg	*	95	66 - 120
Dimethyl phthalate	200	U	1970	1870		ug/Kg	*	95	65 - 124
Di-n-butyl phthalate	200	U TH	1970	1980		ug/Kg	*	101	58 - 130
Di-n-octyl phthalate	200	U	1970	1700		ug/Kg	*	86	57 - 133
Fluoranthene	200	U TH	1970	1890		ug/Kg	*	96	62 - 120
Fluorene	200	U	1970	1700		ug/Kg	*	87	63 - 120
Hexachlorobenzene	200	U TH	1970	2250		ug/Kg	*	114	60 - 120
Hexachlorobutadiene	200	U	1970	1880		ug/Kg	*	95	45 - 120
Hexachlorocyclopentadiene	200	U	1970	1600		ug/Kg	*	81	31 - 120
Hexachloroethane	200	U	1970	1570		ug/Kg	*	80	21 - 120
Indeno[1,2,3-cd]pyrene	200	U	1970	1760		ug/Kg	*	90	56 - 134
Isophorone	200	U	1970	1610		ug/Kg	*	82	56 - 120
Naphthalene	200	U	1970	1520		ug/Kg	*	77	46 - 120
Nitrobenzene	200	U	1970	1410		ug/Kg	*	72	49 - 120
N-Nitrosodi-n-propylamine	200	U	1970	1520		ug/Kg	*	77	46 - 120
N-Nitrosodiphenylamine	200	U	1970	1760		ug/Kg	*	89	20 - 128
Pentachlorophenol	390	U TH	3940	3820		ug/Kg	*	97	25 - 136
Phenanthrene	200	U	1970	1750		ug/Kg	*	89	60 - 122
Phenol	200	U	1970	1530		ug/Kg	*	78	50 - 120
Pyrene	200	U	1970	1710		ug/Kg	*	87	61 - 133

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	125	TH	54 - 120
2-Fluorobiphenyl (Surr)	90		60 - 120
2-Fluorophenol (Surr)	78		52 - 120
Nitrobenzene-d5 (Surr)	80		53 - 120

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188023-4 MS

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: B-12-138 (5-6)(08052021)

Prep Type: Total/NA

Prep Batch: 592142

Surrogate	MS %Recovery	MS Qualifier	Limits
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	105		79 - 130

Lab Sample ID: 480-188023-4 MSD

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: B-12-138 (5-6)(08052021)

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
1,2,4,5-Tetrachlorobenzene	200	U	1960	1770		ug/Kg	*	90	59 - 120	2	21
1,4-Dioxane	120	U	1960	683		ug/Kg	*	35	13 - 120	11	50
2,3,4,6-Tetrachlorophenol	200	U TH	1960	2030		ug/Kg	*	104	50 - 150	8	33
2,4,5-Trichlorophenol	200	U	1960	1840		ug/Kg	*	94	46 - 120	2	18
2,4,6-Trichlorophenol	200	U	1960	1860		ug/Kg	*	95	41 - 123	4	19
2,4-Dichlorophenol	200	U	1960	1730		ug/Kg	*	88	45 - 120	0	19
2,4-Dimethylphenol	200	U	1960	1720		ug/Kg	*	88	52 - 120	1	42
2,4-Dinitrophenol	1900	U	3920	3080		ug/Kg	*	79	41 - 146	11	22
2,4-Dinitrotoluene	200	U TH	1960	2030		ug/Kg	*	104	63 - 125	5	20
2,6-Dinitrotoluene	200	U TH	1960	1900		ug/Kg	*	97	66 - 120	9	15
2-Chloronaphthalene	200	U	1960	1670		ug/Kg	*	85	57 - 120	2	21
2-Chlorophenol	390	U	1960	1580		ug/Kg	*	81	43 - 120	0	25
2-Methylnaphthalene	200	U	1960	1590		ug/Kg	*	81	55 - 120	5	21
2-Methylphenol	200	U	1960	1620		ug/Kg	*	83	48 - 120	1	27
2-Nitroaniline	390	U	1960	1700		ug/Kg	*	87	61 - 120	8	15
2-Nitrophenol	200	U	1960	1570		ug/Kg	*	80	37 - 120	2	18
3,3'-Dichlorobenzidine	390	U TH	3920	3720		ug/Kg	*	95	37 - 126	2	25
3-Nitroaniline	390	U	1960	1700		ug/Kg	*	87	48 - 120	4	19
4,6-Dinitro-2-methylphenol	390	U	3920	3760		ug/Kg	*	96	23 - 149	5	15
4-Bromophenyl phenyl ether	200	U TH	1960	2180		ug/Kg	*	111	58 - 120	2	15
4-Chloro-3-methylphenol	200	U TH	1960	1870		ug/Kg	*	96	49 - 125	8	27
4-Chloroaniline	200	U	1960	1590		ug/Kg	*	81	38 - 120	0	22
4-Chlorophenyl phenyl ether	200	U	1960	1880		ug/Kg	*	96	63 - 124	5	16
4-Methylphenol	390	U	1960	1660		ug/Kg	*	85	50 - 120	1	24
4-Nitroaniline	390	U TH	1960	1830		ug/Kg	*	93	47 - 120	11	24
4-Nitrophenol	390	U TH	3920	4930		ug/Kg	*	126	31 - 147	13	25
Acenaphthene	200	U	1960	1710		ug/Kg	*	87	60 - 120	7	35
Acenaphthylene	200	U	1960	1790		ug/Kg	*	91	58 - 121	5	18
Acetophenone	200	U	1960	1650		ug/Kg	*	84	47 - 120	3	20
Anthracene	200	U TH	1960	1940		ug/Kg	*	99	62 - 120	5	15
Atrazine	200	U TH	3920	4300		ug/Kg	*	110	60 - 150	10	20
Benzaldehyde	200	U	3920	2960		ug/Kg	*	75	10 - 150	12	20
Benzo[a]anthracene	200	U TH	1960	1920		ug/Kg	*	98	65 - 120	6	15
Benzo[a]pyrene	200	U TH	1960	1820		ug/Kg	*	93	64 - 120	6	15
Benzo[b]fluoranthene	200	U TH	1960	1790		ug/Kg	*	91	10 - 150	6	15
Benzo[g,h,i]perylene	200	U	1960	1860		ug/Kg	*	95	45 - 145	6	15
Benzo[k]fluoranthene	200	U TH	1960	1900		ug/Kg	*	97	23 - 150	3	22
Biphenyl	200	U	1960	1670		ug/Kg	*	85	58 - 120	3	20
bis (2-chloroisopropyl) ether	200	U	1960	899		ug/Kg	*	46	31 - 120	1	24
Bis(2-chloroethoxy)methane	200	U	1960	1480		ug/Kg	*	76	52 - 120	4	17

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188023-4 MSD

Matrix: Solid

Analysis Batch: 592528

Client Sample ID: B-12-138 (5-6)(08052021)

Prep Type: Total/NA

Prep Batch: 592142

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bis(2-chloroethyl)ether	200	U	1960	1380		ug/Kg	*	70	45 - 120	2	21
Bis(2-ethylhexyl) phthalate	200	U	1960	1880		ug/Kg	*	96	61 - 133	0	15
Butyl benzyl phthalate	200	U	1960	1800		ug/Kg	*	92	61 - 120	2	16
Caprolactam	200	U T	3920	3640	T	ug/Kg	*	93	37 - 133	52	20
Carbazole	200	U TH	1960	1930		ug/Kg	*	98	59 - 120	2	20
Chrysene	200	U TH	1960	1900		ug/Kg	*	97	64 - 120	3	15
Dibenz(a,h)anthracene	200	U	1960	1940		ug/Kg	*	99	54 - 132	5	15
Dibenzofuran	200	U	1960	1780		ug/Kg	*	91	62 - 120	6	15
Diethyl phthalate	200	U TH	1960	2010		ug/Kg	*	103	66 - 120	7	15
Dimethyl phthalate	200	U	1960	1880		ug/Kg	*	96	65 - 124	0	15
Di-n-butyl phthalate	200	U TH	1960	2020		ug/Kg	*	103	58 - 130	2	15
Di-n-octyl phthalate	200	U	1960	1850		ug/Kg	*	94	57 - 133	8	16
Fluoranthene	200	U TH	1960	1970		ug/Kg	*	100	62 - 120	4	15
Fluorene	200	U	1960	1820		ug/Kg	*	93	63 - 120	7	15
Hexachlorobenzene	200	U TH	1960	2290		ug/Kg	*	117	60 - 120	1	15
Hexachlorobutadiene	200	U	1960	1900		ug/Kg	*	97	45 - 120	1	44
Hexachlorocyclopentadiene	200	U	1960	1580		ug/Kg	*	81	31 - 120	2	49
Hexachloroethane	200	U	1960	1510		ug/Kg	*	77	21 - 120	4	46
Indeno[1,2,3-cd]pyrene	200	U	1960	1830		ug/Kg	*	93	56 - 134	4	15
Isophorone	200	U	1960	1550		ug/Kg	*	79	56 - 120	4	17
Naphthalene	200	U	1960	1530		ug/Kg	*	78	46 - 120	1	29
Nitrobenzene	200	U	1960	1410		ug/Kg	*	72	49 - 120	0	24
N-Nitrosodi-n-propylamine	200	U	1960	1480		ug/Kg	*	76	46 - 120	3	31
N-Nitrosodiphenylamine	200	U	1960	1800		ug/Kg	*	92	20 - 128	3	15
Pentachlorophenol	390	U TH	3920	3970		ug/Kg	*	101	25 - 136	4	35
Phenanthrene	200	U	1960	1780		ug/Kg	*	91	60 - 122	2	15
Phenol	200	U	1960	1500		ug/Kg	*	76	50 - 120	2	35
Pyrene	200	U	1960	1800		ug/Kg	*	92	61 - 133	5	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	124	TH	54 - 120
2-Fluorobiphenyl (Surr)	90		60 - 120
2-Fluorophenol (Surr)	79		52 - 120
Nitrobenzene-d5 (Surr)	81		53 - 120
Phenol-d5 (Surr)	82		54 - 120
p-Terphenyl-d14 (Surr)	107		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-592259/1-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592259

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDE	1.6	U	1.6	0.34	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-592259/1-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592259

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
beta-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan I	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin ketone	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
gamma-BHC (Lindane)	0.485	J	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Methoxychlor	1.6	U	1.6	0.33	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Toxaphene	16	U	16	9.5	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	78		45 - 120	08/10/21 07:20	08/11/21 09:54	1
DCB Decachlorobiphenyl	100		45 - 120	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	75		30 - 124	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	79		30 - 124	08/10/21 07:20	08/11/21 09:54	1

Lab Sample ID: LCS 480-592259/2-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
4,4'-DDE	16.4	12.6		ug/Kg		76	44 - 120
4,4'-DDT	16.4	17.4		ug/Kg		106	38 - 120
Aldrin	16.4	11.8		ug/Kg		72	38 - 120
alpha-BHC	16.4	11.3		ug/Kg		68	39 - 120
beta-BHC	16.4	13.6		ug/Kg		83	40 - 120
cis-Chlordane	16.4	11.0		ug/Kg		67	47 - 120
delta-BHC	16.4	13.2		ug/Kg		80	45 - 120
Dieldrin	16.4	14.8		ug/Kg		90	58 - 120
Endosulfan I	16.4	13.8		ug/Kg		84	49 - 120
Endosulfan II	16.4	16.3		ug/Kg		99	55 - 120
Endosulfan sulfate	16.4	18.5		ug/Kg		112	49 - 124
Endrin	16.4	15.8		ug/Kg		96	58 - 120
Endrin aldehyde	16.4	13.5		ug/Kg		82	37 - 121
Endrin ketone	16.4	16.4		ug/Kg		100	46 - 123
gamma-BHC (Lindane)	16.4	12.8		ug/Kg		78	50 - 120
Heptachlor	16.4	13.4		ug/Kg		81	50 - 120
Heptachlor epoxide	16.4	14.3		ug/Kg		87	50 - 120
Methoxychlor	16.4	19.6		ug/Kg		119	58 - 133
trans-Chlordane	16.4	14.2		ug/Kg		87	48 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-592259/2-A
Matrix: Solid
Analysis Batch: 592443

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592259

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
DCB Decachlorobiphenyl	82		45 - 120
DCB Decachlorobiphenyl	108		45 - 120
Tetrachloro-m-xylene	75		30 - 124
Tetrachloro-m-xylene	88		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-592383/1-A
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592383

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCB-1016	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1221	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1232	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1242	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1248	0.23	U	0.23	0.045	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1254	0.23	U	0.23	0.11	mg/Kg		08/10/21 14:57	08/11/21 14:45	1
PCB-1260	0.23	U	0.23	0.11	mg/Kg		08/10/21 14:57	08/11/21 14:45	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
Tetrachloro-m-xylene	98		60 - 154	08/10/21 14:57	08/11/21 14:45	1
Tetrachloro-m-xylene	113		60 - 154	08/10/21 14:57	08/11/21 14:45	1
DCB Decachlorobiphenyl	121		65 - 174	08/10/21 14:57	08/11/21 14:45	1
DCB Decachlorobiphenyl	98		65 - 174	08/10/21 14:57	08/11/21 14:45	1

Lab Sample ID: LCS 480-592383/2-A
Matrix: Solid
Analysis Batch: 592530

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592383

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
PCB-1016	2.29	2.96		mg/Kg		129	51 - 185
PCB-1260	2.29	3.14		mg/Kg		137	61 - 184

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
Tetrachloro-m-xylene	131		60 - 154
Tetrachloro-m-xylene	133		60 - 154
DCB Decachlorobiphenyl	161		65 - 174
DCB Decachlorobiphenyl	132		65 - 174

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-592261/1-A
Matrix: Solid
Analysis Batch: 592675

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 592261

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		08/10/21 07:29	08/12/21 14:34	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: MB 480-592261/1-A

Matrix: Solid

Analysis Batch: 592675

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592261

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		08/10/21 07:29	08/12/21 14:34	1
Surrogate	MB	MB	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129				08/10/21 07:29	08/12/21 14:34	1
2,4-Dichlorophenylacetic acid	71		28 - 129				08/10/21 07:29	08/12/21 14:34	1

Lab Sample ID: LCS 480-592261/2-A

Matrix: Solid

Analysis Batch: 592675

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592261

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec.	Limits
		Result	Qualifier					
2,4-D	66.4	43.4		ug/Kg		65	40 - 120	
Silvex (2,4,5-TP)	66.4	43.6		ug/Kg		66	39 - 125	
Surrogate	LCS	LCS	Limits					
2,4-Dichlorophenylacetic acid	77		28 - 129					
2,4-Dichlorophenylacetic acid	89		28 - 129					

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-592028/1-A

Matrix: Solid

Analysis Batch: 592298

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592028

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	10.2	U	10.2	4.5	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Antimony	15.3	U	15.3	0.41	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Arsenic	2.0	U	2.0	0.41	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Barium	0.51	U	0.51	0.11	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Beryllium	0.20	U	0.20	0.029	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Cadmium	0.20	U	0.20	0.031	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Calcium	4.69	J	51.0	3.4	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Chromium	0.51	U	0.51	0.20	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Cobalt	0.51	U	0.51	0.051	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Copper	1.0	U	1.0	0.21	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Iron	10.2	U	10.2	3.6	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Lead	1.0	U	1.0	0.24	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Magnesium	20.4	U	20.4	0.95	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Manganese	0.0663	J	0.20	0.033	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Nickel	5.1	U	5.1	0.23	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Potassium	30.6	U	30.6	20.4	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Selenium	4.1	U	4.1	0.41	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Silver	0.61	U	0.61	0.20	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Sodium	143	U	143	13.3	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Thallium	6.1	U	6.1	0.31	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Vanadium	0.51	U	0.51	0.11	mg/Kg		08/06/21 12:44	08/09/21 19:43	1
Zinc	2.0	U	2.0	0.65	mg/Kg		08/06/21 12:44	08/09/21 19:43	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-592028/2-A
Matrix: Solid
Analysis Batch: 592298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592028

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec.	
							Limits	
Aluminum	8190	8862		mg/Kg		108.2	50.1 - 150.2	
Antimony	110	80.90		mg/Kg		73.5	22.2 - 254.5	
Arsenic	162	136.4		mg/Kg		84.2	70.4 - 130.2	
Barium	138	125.2		mg/Kg		90.7	74.6 - 124.6	
Beryllium	157	143.0		mg/Kg		91.1	75.2 - 125.5	
Cadmium	135	121.4		mg/Kg		89.9	74.8 - 124.4	
Calcium	4790	4097		mg/Kg		85.5	72.7 - 127.3	
Chromium	117	104.9		mg/Kg		89.7	70.1 - 129.9	
Cobalt	92.6	94.96		mg/Kg		102.6	75.1 - 125.3	
Copper	143	119.0		mg/Kg		83.2	74.8 - 124.5	
Iron	15100	13300		mg/Kg		88.1	37.2 - 162.9	
Lead	77.6	73.92		mg/Kg		95.3	68.8 - 131.4	
Magnesium	2320	2145		mg/Kg		92.5	62.1 - 137.9	
Manganese	319	323.6		mg/Kg		101.4	74.9 - 125.1	
Nickel	79.9	82.53		mg/Kg		103.3	70.0 - 130.2	
Potassium	2050	2039		mg/Kg		99.5	59.5 - 141.0	
Selenium	172	151.5		mg/Kg		88.1	68.0 - 132.6	
Silver	24.7	19.66		mg/Kg		79.6	67.2 - 133.2	
Sodium	137	149.8		mg/Kg		109.4	35.8 - 164.2	
Thallium	88.0	85.64		mg/Kg		97.3	66.0 - 134.1	
Vanadium	99.9	91.02		mg/Kg		91.1	67.4 - 132.1	
Zinc	312	267.7		mg/Kg		85.8	69.9 - 129.8	

Lab Sample ID: 480-188023-4 MS
Matrix: Solid
Analysis Batch: 592298

Client Sample ID: B-12-138 (5-6)(08052021)
Prep Type: Total/NA
Prep Batch: 592028

Analyte	Sample Result	Sample Qualifier	Spike Added	MS MS		Unit	D	%Rec	%Rec.	
				Result	Qualifier				Limits	
Aluminum	8140	TH	2320	22480	TH	mg/Kg	⊛	619	75 - 125	
Antimony	17.1	U TL	46.3	27.34	TL	mg/Kg	⊛	59	75 - 125	
Arsenic	4.8		46.3	49.92		mg/Kg	⊛	97	75 - 125	
Barium	29.4	TH	46.3	95.21	TH	mg/Kg	⊛	142	75 - 125	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-188023-4 MS

Client Sample ID: B-12-138 (5-6)(08052021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592298

Prep Batch: 592028

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Beryllium	0.43		46.3	40.95		mg/Kg	☼	87	75 - 125	
Cadmium	0.23	U	46.3	42.44		mg/Kg	☼	92	75 - 125	
Chromium	9.1		46.3	58.40		mg/Kg	☼	106	75 - 125	
Cobalt	4.6		46.3	52.79		mg/Kg	☼	104	75 - 125	
Iron	11400		2320	16950	4	mg/Kg	☼	241	75 - 125	
Lead	16.4		46.3	66.62		mg/Kg	☼	108	75 - 125	
Magnesium	24100		2320	30030	4	mg/Kg	☼	257	75 - 125	
Manganese	253	B	46.3	311.1	4	mg/Kg	☼	124	75 - 125	
Nickel	11.6		46.3	60.08		mg/Kg	☼	105	75 - 125	
Potassium	3920	TH	2320	11810	TH	mg/Kg	☼	340	75 - 125	
Selenium	0.69	J	46.3	41.37		mg/Kg	☼	88	75 - 125	
Silver	0.68	U	11.6	10.86		mg/Kg	☼	94	75 - 125	
Sodium	175		2320	2306		mg/Kg	☼	92	75 - 125	
Thallium	6.8	U	46.3	44.90		mg/Kg	☼	97	75 - 125	
Vanadium	10.7		46.3	65.65		mg/Kg	☼	119	75 - 125	
Zinc	8.3		46.3	46.05		mg/Kg	☼	81	75 - 125	

Lab Sample ID: 480-188023-4 MS

Client Sample ID: B-12-138 (5-6)(08052021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592489

Prep Batch: 592028

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec.	Limits
	Result	Qualifier		Result	Qualifier					
Calcium	144000	B	2320	156600	4	mg/Kg	☼	525	75 - 125	
Copper	7.1		46.3	51.84		mg/Kg	☼	97	75 - 125	

Lab Sample ID: 480-188023-4 MSD

Client Sample ID: B-12-138 (5-6)(08052021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592298

Prep Batch: 592028

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	Limits	RPD	
	Result	Qualifier		Result	Qualifier						RPD	Limit
Aluminum	8140	TH	2370	22350	TH	mg/Kg	☼	600	75 - 125	1	20	
Antimony	17.1	U TL	47.3	27.99	TL	mg/Kg	☼	59	75 - 125	2	20	
Arsenic	4.8		47.3	49.46		mg/Kg	☼	94	75 - 125	1	20	
Barium	29.4	TH	47.3	94.99	TH	mg/Kg	☼	139	75 - 125	0	20	
Beryllium	0.43		47.3	42.09		mg/Kg	☼	88	75 - 125	3	20	
Cadmium	0.23	U	47.3	43.56		mg/Kg	☼	92	75 - 125	3	20	
Chromium	9.1		47.3	58.52		mg/Kg	☼	104	75 - 125	0	20	
Cobalt	4.6		47.3	51.92		mg/Kg	☼	100	75 - 125	2	20	
Iron	11400		2370	14200	4	mg/Kg	☼	119	75 - 125	18	20	
Lead	16.4		47.3	63.79		mg/Kg	☼	100	75 - 125	4	20	
Magnesium	24100		2370	29020	4	mg/Kg	☼	209	75 - 125	3	20	
Manganese	253	B	47.3	296.9	4	mg/Kg	☼	92	75 - 125	5	20	
Nickel	11.6		47.3	58.31		mg/Kg	☼	99	75 - 125	3	20	
Potassium	3920	TH	2370	11840	TH	mg/Kg	☼	334	75 - 125	0	20	
Selenium	0.69	J	47.3	42.68		mg/Kg	☼	89	75 - 125	3	20	
Silver	0.68	U	11.8	10.98		mg/Kg	☼	93	75 - 125	1	20	
Sodium	175		2370	2351		mg/Kg	☼	92	75 - 125	2	20	
Thallium	6.8	U	47.3	45.82		mg/Kg	☼	97	75 - 125	2	20	
Vanadium	10.7		47.3	65.81		mg/Kg	☼	116	75 - 125	0	20	

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: 480-188023-4 MSD
 Matrix: Solid
 Analysis Batch: 592298

Client Sample ID: B-12-138 (5-6)(08052021)
 Prep Type: Total/NA
 Prep Batch: 592028

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	8.3		47.3	47.16		mg/Kg	⊛	82	75 - 125	2	20

Lab Sample ID: 480-188023-4 MSD
 Matrix: Solid
 Analysis Batch: 592489

Client Sample ID: B-12-138 (5-6)(08052021)
 Prep Type: Total/NA
 Prep Batch: 592028

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	144000	B	2370	153200	4	mg/Kg	⊛	373	75 - 125	2	20
Copper	7.1		47.3	52.08		mg/Kg	⊛	95	75 - 125	0	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-592203/1-A
 Matrix: Solid
 Analysis Batch: 592249

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 592203

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.020	U	0.020	0.0047	mg/Kg		08/09/21 15:01	08/09/21 16:45	1

Lab Sample ID: LCSSRM 480-592203/2-A ^10
 Matrix: Solid
 Analysis Batch: 592249

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 592203

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	23.69		mg/Kg		87.1	59.9 - 140.1

Lab Sample ID: MB 480-592204/1-A
 Matrix: Solid
 Analysis Batch: 592249

Client Sample ID: Method Blank
 Prep Type: Total/NA
 Prep Batch: 592204

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.019	U	0.019	0.0043	mg/Kg		08/09/21 15:01	08/09/21 17:23	1

Lab Sample ID: LCSSRM 480-592204/2-A ^10
 Matrix: Solid
 Analysis Batch: 592249

Client Sample ID: Lab Control Sample
 Prep Type: Total/NA
 Prep Batch: 592204

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	22.39		mg/Kg		82.3	59.9 - 140.1

Lab Sample ID: 480-188023-4 MS
 Matrix: Solid
 Analysis Batch: 592249

Client Sample ID: B-12-138 (5-6)(08052021)
 Prep Type: Total/NA
 Prep Batch: 592204

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.022	U	0.392	0.403		mg/Kg	⊛	103	80 - 120

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 480-188023-4 MSD

Matrix: Solid

Analysis Batch: 592249

Client Sample ID: B-12-138 (5-6)(08052021)

Prep Type: Total/NA

Prep Batch: 592204

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.022	U	0.374	0.391		mg/Kg	✱	104	80 - 120	3	20

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

GC/MS VOA

Analysis Batch: 592236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-1	B-12-138 (0-1)(08052021)	Total/NA	Solid	8260C	592250
480-188023-3	B-12-138 (2-3)(08052021)	Total/NA	Solid	8260C	592250
480-188023-6	B-12-133 (4-5)(08052021)	Total/NA	Solid	8260C	592250
480-188023-8	B-12-133 (8-9)(08052021)	Total/NA	Solid	8260C	592250
MB 480-592250/2-A	Method Blank	Total/NA	Solid	8260C	592250
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	8260C	592250

Prep Batch: 592250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-1	B-12-138 (0-1)(08052021)	Total/NA	Solid	5035A_L	
480-188023-3	B-12-138 (2-3)(08052021)	Total/NA	Solid	5035A_L	
480-188023-6	B-12-133 (4-5)(08052021)	Total/NA	Solid	5035A_L	
480-188023-8	B-12-133 (8-9)(08052021)	Total/NA	Solid	5035A_L	
MB 480-592250/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 592414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-5	B-12-138 (6-7)(08052021)	Total/NA	Solid	8260C	592433
480-188023-9	B-12-133 (10-11)(08052021)	Total/NA	Solid	8260C	592433
MB 480-592433/2-A	Method Blank	Total/NA	Solid	8260C	592433
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	8260C	592433

Prep Batch: 592433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-5	B-12-138 (6-7)(08052021)	Total/NA	Solid	5035A_L	
480-188023-9	B-12-133 (10-11)(08052021)	Total/NA	Solid	5035A_L	
MB 480-592433/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 592142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	3550C	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	3550C	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	3550C	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	3550C	
MB 480-592142/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592142/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	3550C	
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	3550C	

Analysis Batch: 592528

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	8270D	592142
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	8270D	592142
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	8270D	592142
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	8270D	592142
MB 480-592142/1-A	Method Blank	Total/NA	Solid	8270D	592142
LCS 480-592142/2-A	Lab Control Sample	Total/NA	Solid	8270D	592142

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

GC/MS Semi VOA (Continued)

Analysis Batch: 592528 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	8270D	592142
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	8270D	592142

GC Semi VOA

Prep Batch: 592259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	3550C	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	3550C	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	3550C	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	3550C	
MB 480-592259/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 592261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	8151A	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	8151A	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	8151A	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	8151A	
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	

Prep Batch: 592383

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	3550C	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	3550C	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	3550C	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	3550C	
MB 480-592383/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592383/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 592443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	8081B	592259
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	8081B	592259
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	8081B	592259
MB 480-592259/1-A	Method Blank	Total/NA	Solid	8081B	592259
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	8081B	592259

Analysis Batch: 592530

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	8082A	592383
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	8082A	592383
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	8082A	592383
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	8082A	592383
MB 480-592383/1-A	Method Blank	Total/NA	Solid	8082A	592383
LCS 480-592383/2-A	Lab Control Sample	Total/NA	Solid	8082A	592383

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

GC Semi VOA

Analysis Batch: 592624

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	8081B	592259

Analysis Batch: 592675

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	8151A	592261
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	8151A	592261
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	8151A	592261
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	8151A	592261
MB 480-592261/1-A	Method Blank	Total/NA	Solid	8151A	592261
LCS 480-592261/2-A	Lab Control Sample	Total/NA	Solid	8151A	592261

Metals

Prep Batch: 592028

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	3050B	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	3050B	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	3050B	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	3050B	
MB 480-592028/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-592028/2-A	Lab Control Sample	Total/NA	Solid	3050B	
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	3050B	
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	3050B	

Prep Batch: 592203

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	7471B	
MB 480-592203/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-592203/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Prep Batch: 592204

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	7471B	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	7471B	
MB 480-592204/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-592204/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	

Analysis Batch: 592249

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	7471B	592203
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	592204
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	7471B	592204
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	7471B	592204
MB 480-592203/1-A	Method Blank	Total/NA	Solid	7471B	592203
MB 480-592204/1-A	Method Blank	Total/NA	Solid	7471B	592204
LCSSRM 480-592203/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	592203
LCSSRM 480-592204/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	592204
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	592204

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Metals (Continued)

Analysis Batch: 592249 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	7471B	592204

Analysis Batch: 592298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	6010C	592028
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	6010C	592028
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	6010C	592028
MB 480-592028/1-A	Method Blank	Total/NA	Solid	6010C	592028
LCSSRM 480-592028/2-A	Lab Control Sample	Total/NA	Solid	6010C	592028
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028

Analysis Batch: 592489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	6010C	592028
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	6010C	592028
480-188023-4 MS	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028
480-188023-4 MSD	B-12-138 (5-6)(08052021)	Total/NA	Solid	6010C	592028

General Chemistry

Analysis Batch: 592091

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188023-1	B-12-138 (0-1)(08052021)	Total/NA	Solid	Moisture	
480-188023-2	B-12-138 (1-2)(08052021)	Total/NA	Solid	Moisture	
480-188023-3	B-12-138 (2-3)(08052021)	Total/NA	Solid	Moisture	
480-188023-4	B-12-138 (5-6)(08052021)	Total/NA	Solid	Moisture	
480-188023-5	B-12-138 (6-7)(08052021)	Total/NA	Solid	Moisture	
480-188023-6	B-12-133 (4-5)(08052021)	Total/NA	Solid	Moisture	
480-188023-7	B-12-133 (6-7)(08052021)	Total/NA	Solid	Moisture	
480-188023-8	B-12-133 (8-9)(08052021)	Total/NA	Solid	Moisture	
480-188023-9	B-12-133 (10-11)(08052021)	Total/NA	Solid	Moisture	
480-188023-10	B-12-133 (13-14)(08052021)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (0-1)(08052021)

Lab Sample ID: 480-188023-1

Date Collected: 08/05/21 08:40

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-138 (0-1)(08052021)

Lab Sample ID: 480-188023-1

Date Collected: 08/05/21 08:40

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 21:39	WJD	TAL BUF

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-138 (1-2)(08052021)

Lab Sample ID: 480-188023-2

Date Collected: 08/05/21 08:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592142	08/09/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592528	08/11/21 17:55	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 15:06	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 17:31	DSC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 23:28	RJS	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592489	08/10/21 18:38	LMH	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592298	08/09/21 20:17	AMH	TAL BUF
Total/NA	Prep	7471B			592203	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:22	BMB	TAL BUF

Client Sample ID: B-12-138 (2-3)(08052021)

Lab Sample ID: 480-188023-3

Date Collected: 08/05/21 08:50

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-138 (2-3)(08052021)

Lab Sample ID: 480-188023-3

Date Collected: 08/05/21 08:50

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 88.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 22:03	WJD	TAL BUF

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-138 (5-6)(08052021)

Lab Sample ID: 480-188023-4

Date Collected: 08/05/21 09:00

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592142	08/09/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592528	08/11/21 17:30	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 16:43	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 17:44	DSC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/12/21 23:57	RJS	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592489	08/10/21 18:42	LMH	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592298	08/09/21 20:21	AMH	TAL BUF
Total/NA	Prep	7471B			592204	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:26	BMB	TAL BUF

Client Sample ID: B-12-138 (6-7)(08052021)

Lab Sample ID: 480-188023-5

Date Collected: 08/05/21 09:10

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-138 (6-7)(08052021)

Lab Sample ID: 480-188023-5

Date Collected: 08/05/21 09:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 22:20	WJD	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (4-5)(08052021)

Lab Sample ID: 480-188023-6

Date Collected: 08/05/21 10:35

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-133 (4-5)(08052021)

Lab Sample ID: 480-188023-6

Date Collected: 08/05/21 10:35

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 22:50	WJD	TAL BUF

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-133 (6-7)(08052021)

Lab Sample ID: 480-188023-7

Date Collected: 08/05/21 10:45

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592142	08/09/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592528	08/11/21 18:19	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 15:45	RJS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 17:57	DSC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/13/21 00:27	RJS	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592489	08/10/21 19:01	LMH	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592298	08/09/21 20:39	AMH	TAL BUF
Total/NA	Prep	7471B			592204	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:33	BMB	TAL BUF

Client Sample ID: B-12-133 (8-9)(08052021)

Lab Sample ID: 480-188023-8

Date Collected: 08/05/21 10:55

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Client Sample ID: B-12-133 (8-9)(08052021)

Lab Sample ID: 480-188023-8

Date Collected: 08/05/21 10:55

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/09/21 23:13	WJD	TAL BUF

Client Sample ID: B-12-133 (10-11)(08052021)

Lab Sample ID: 480-188023-9

Date Collected: 08/05/21 11:10

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-133 (10-11)(08052021)

Lab Sample ID: 480-188023-9

Date Collected: 08/05/21 11:10

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 68.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/06/21 09:00	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 22:43	WJD	TAL BUF

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592091	08/06/21 19:22	CLA	TAL BUF

Client Sample ID: B-12-133 (13-14)(08052021)

Lab Sample ID: 480-188023-10

Date Collected: 08/05/21 11:15

Matrix: Solid

Date Received: 08/06/21 08:00

Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592142	08/09/21 08:05	VXF	TAL BUF
Total/NA	Analysis	8270D		1	592528	08/11/21 18:42	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592624	08/12/21 10:04	JLS	TAL BUF
Total/NA	Prep	3550C			592383	08/10/21 14:57	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592530	08/11/21 18:10	DSC	TAL BUF
Total/NA	Prep	8151A			592261	08/10/21 07:29	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592675	08/13/21 00:56	RJS	TAL BUF
Total/NA	Prep	3050B			592028	08/06/21 12:44	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592298	08/09/21 20:43	AMH	TAL BUF
Total/NA	Prep	7471B			592204	08/09/21 15:01	BMB	TAL BUF
Total/NA	Analysis	7471B		1	592249	08/09/21 17:35	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188023-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-188023-1	B-12-138 (0-1)(08052021)	Solid	08/05/21 08:40	08/06/21 08:00
480-188023-2	B-12-138 (1-2)(08052021)	Solid	08/05/21 08:45	08/06/21 08:00
480-188023-3	B-12-138 (2-3)(08052021)	Solid	08/05/21 08:50	08/06/21 08:00
480-188023-4	B-12-138 (5-6)(08052021)	Solid	08/05/21 09:00	08/06/21 08:00
480-188023-5	B-12-138 (6-7)(08052021)	Solid	08/05/21 09:10	08/06/21 08:00
480-188023-6	B-12-133 (4-5)(08052021)	Solid	08/05/21 10:35	08/06/21 08:00
480-188023-7	B-12-133 (6-7)(08052021)	Solid	08/05/21 10:45	08/06/21 08:00
480-188023-8	B-12-133 (8-9)(08052021)	Solid	08/05/21 10:55	08/06/21 08:00
480-188023-9	B-12-133 (10-11)(08052021)	Solid	08/05/21 11:10	08/06/21 08:00
480-188023-10	B-12-133 (13-14)(08052021)	Solid	08/05/21 11:15	08/06/21 08:00

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Chain of Custody Record

511549




Environment Testing
TestAmerica

TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other:

Client Contact Company Name: Robert Sents - ERM Address: 5184 Widewaters Pkwy City/State/Zip: Dewitt NY 13214 Phone: 315-445-2543 Fax:		Project Manager: David Murtha Tel/Email: David.Murtha@ERM.com Analysis Turnaround Time <input checked="" type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below <input checked="" type="checkbox"/> 2 weeks <input type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		Site Contact: K. Rappact Date: 8/5/2021 Carrier:		COC No: 1 of 1 COCs	
Project Name: LI-Cycle Site: Rochester NY P.O.#		Lab Contact: John Schovs 8081 B, 8082A, 8151A, 8270 6010C, 7411B 8260C - TCL VOCs + 107M		For Lab Use Only: Walk-in Client: Lab Sampling: Job / SDGS No.:		Sample Specific Notes:	
<div style="background-color: yellow; border-radius: 50%; padding: 10px; text-align: center; font-weight: bold; font-size: 1.2em;"> SHORT HOLD </div>		Filtered Sample (Y/N)		Perform MS/MSD (Y/N)		 480-186023 Chain of Custody	
		Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix		
B-21-138 (0-1)(08052021)		8/5/21	0840	G	S	N	X
B-21-138 (1-2)(08052021)			0845			N	X
B-21-138 (2-3)(08052021)			0850			N	X
B-21-138 (5-c)(08052021)			0900			N	X
B-21-138 (c-1)(08052021)			0910			N	X
B-21-133 (4-5)(08052021)			1035			N	X
B-21-133 (6-7)(08052021)			1045			N	X
B-21-133 (8-9)(08052021)			1055			N	X
B-21-133 (10-11)(08052021)			1110			N	X
B-21-133 (13-14)(08052021)			1115			N	X
Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4= HNO3; 5= NaOH; 6= Other		D1 Water / Methanol		1/1		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	
Possible Hazard Identification: Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.		<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input checked="" type="checkbox"/> Unknown		<input type="checkbox"/> Return to Client <input checked="" type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive for		Syracuse Months #225 #1	
Special Instructions/QC Requirements & Comments: ASP Cat B Deliverable		Cooler Temp. (°C): Obs'd: 28		Therm ID No.:		Company: ES-SYM	
Custody Seal No.: Yes <input type="checkbox"/> No <input type="checkbox"/>		Relinquished by: [Signature]		Date/Time: 8/5/21 1530		Company: [Signature]	
Relinquished by: [Signature]		Date/Time: 8-5-21 1600		Company: [Signature]		Date/Time: 8/6/21 0800	



Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-188023-1

Login Number: 188023

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Sabuda, Brendan D

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.8 #1 Ice
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	freeze time: 0900
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	True	



ANALYTICAL REPORT

Eurofins TestAmerica, Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Tel: (716)691-2600

Laboratory Job ID: 480-188071-1

Client Project/Site: Li-Cycle: Lidestri-Ridgeway Property

For:

Environmental Resources Management Inc
1159 Pittsford-Victor Rd, Ste 200
Pittsford, New York 14534

Attn: Mr. Dave Murtha



*Authorized for release by:
8/19/2021 4:27:58 PM*

Rebecca Jones, Project Management Assistant I
Rebecca.Jones@Eurofinset.com

Designee for

John Schove, Project Manager II
(716)504-9838
John.Schove@Eurofinset.com

LINKS

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results through
TotalAccess

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www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



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Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
TL	QC Recovery is outside acceptable limits biased Low.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Reported value is estimated.
T	Indicated that a quality control parameter has exceeded laboratory limits
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Reported value is estimated.
N	This flag indicates the presumptive evidence of a compound.
T	Result is a tentatively identified compound (TIC) and an estimated value.

GC Semi VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
TH	QC Recovery is outside acceptable limits biased High.
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Reported value is estimated.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)

Definitions/Glossary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Job ID: 480-188071-1

Laboratory: Eurofins TestAmerica, Buffalo

Narrative

Job Narrative 480-188071-1

Comments

No additional comments.

Receipt

The samples were received on 8/7/2021 8:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 2.4° C.

GC/MS VOA

Method 8260C: Internal standard (ISTD) and/or surrogate standard response for the following samples were outside control limits: B-21-142 (8-9)(08062021) (480-188071-3) and B-21-142 (11-12)(08062021) (480-188071-4). The sample(s) were re-analyzed and ISTD response was outside control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA

Method 8270D: The following compound has been spiked at a level above the upper range of the initial calibration: Benzaldehyde. The laboratory control sample (LCS) and/or laboratory control sample duplicate (LCSD) associated with preparation batch 480-592214 and analytical batch 480-592372 recovered within acceptable limits for this analyte and has been qualified with an "E" flag. (LCS 480-592214/2-A)

Method 8270D: The following sample was diluted due to color and appearance: B-21-142 (4-5)(08062021) (480-188071-2). Elevated reporting limits (RL) are provided.

Methods 8270D, 8270D_LL_PAH: The continuing calibration verification (CCV) analyzed in batch 480-592372 was outside the method criteria for the following analyte(s): 2,4,6-Tribromophenol (Surr). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592372 recovered outside acceptance criteria, low biased, for bis (2-chloroisopropyl) ether. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Since the associated samples were non-detect for this analyte, the data have been reported.

Method 8270D: The continuing calibration verification (CCV) associated with batch 480-592372 recovered above the upper control limit for 4-Nitrophenol and Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-142 (4-5)(08062021) (480-188071-2), B-21-142 (13-14) (08062021) (480-188071-5), B-21-141 (1-2)(08062021) (480-188071-6) and B-21-141 (15-16)(08062021) (480-188071-10).

Method 8270D: The matrix spike / matrix spike duplicate / sample duplicate (MS/MSD/DUP) precision for preparation batch 480-592214 and analytical batch 480-592372 was outside control limits. Sample matrix interference and/or non-homogeneity is suspected.

Method 8270D: Surrogate recovery was outside acceptance limits for the following matrix spike/matrix spike duplicate (MS/MSD) samples: (480-188071-A-10-A MS) and (480-188071-A-10-B MSD). The parent sample's surrogate recovery was within limits. The MS/MSD sample has been qualified and reported.

Methods 8270D, 8270D_LL_PAH: Surrogate recovery of 2,4,6-Tribromophenol was above the upper acceptance limit in the laboratory control sample (LCS) associated with preparation batch 480-592372. This surrogate is not associated to the target analyte list; therefore, the results have been qualified and reported. The following samples are impacted: B-21-142 (4-5)(08062021) (480-188071-2), B-21-142 (13-14)(08062021) (480-188071-5), B-21-141 (1-2)(08062021) (480-188071-6), B-21-141 (15-16)(08062021) (480-188071-10), (480-188071-A-10-A MS) and (480-188071-A-10-B MSD).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Case Narrative

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Job ID: 480-188071-1 (Continued)

Laboratory: Eurofins TestAmerica, Buffalo (Continued)

GC Semi VOA

Method 8081B: The continuing calibration verification (CCV) associated with batch 480-592443 recovered above the upper control limit for Methoxychlor. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: B-21-142 (4-5)(08062021) (480-188071-2) and B-21-142 (13-14)(08062021) (480-188071-5).

Method 8081B: The %RPD between the primary and confirmation column exceeded 40% for trans-Chlordane for the following sample: B-21-141 (1-2)(08062021) (480-188071-6). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Method 8081B: The following sample was diluted due to the nature of the sample matrix: B-21-142 (4-5)(08062021) (480-188071-2). As such, surrogate recoveries are below the calibration range, estimated and not representative. Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals

Method 6010C: The method blank for preparation batch 480-592119 and analytical batch 480-592290 contained Total Manganese above the reporting limit (RL). Associated sample(s) B-21-142 (4-5)(08062021) (480-188071-2), B-21-142 (13-14)(08062021) (480-188071-5), B-21-141 (1-2)(08062021) (480-188071-6) and B-21-141 (15-16)(08062021) (480-188071-10) were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010C: The following sample was diluted due to the presence of Total Calcium which interferes with Copper: B-21-141 (1-2) (08062021) (480-188071-6). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method 3550C: The following samples required a Florisil clean-up, via EPA Method 3620C, to reduce matrix interferences: B-21-142 (4-5) (08062021) (480-188071-2) and B-21-141 (1-2)(08062021) (480-188071-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (1-2)(08062021)

Lab Sample ID: 480-188071-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylcyclohexane	0.77	J	4.7	0.72	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	250	J	1000	200	ug/Kg	5	✳	8270D	Total/NA
Naphthalene	160	J	1000	130	ug/Kg	5	✳	8270D	Total/NA
4,4'-DDD	4.4	J	20	3.8	ug/Kg	10	✳	8081B	Total/NA
alpha-BHC	6.4	J	20	3.5	ug/Kg	10	✳	8081B	Total/NA
gamma-BHC (Lindane)	6.0	J B	20	3.6	ug/Kg	10	✳	8081B	Total/NA
Methoxychlor	13	J	20	4.0	ug/Kg	10	✳	8081B	Total/NA
Aluminum	13000		12.2	5.4	mg/Kg	1	✳	6010C	Total/NA
Arsenic	7.2		2.4	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	134		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Beryllium	1.0		0.24	0.034	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.12	J	0.24	0.037	mg/Kg	1	✳	6010C	Total/NA
Calcium	20600	B	61.1	4.0	mg/Kg	1	✳	6010C	Total/NA
Chromium	20.7		0.61	0.24	mg/Kg	1	✳	6010C	Total/NA
Cobalt	6.2		0.61	0.061	mg/Kg	1	✳	6010C	Total/NA
Copper	10.8		1.2	0.26	mg/Kg	1	✳	6010C	Total/NA
Iron	22900		12.2	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	12.5		1.2	0.29	mg/Kg	1	✳	6010C	Total/NA
Magnesium	5380	B	24.4	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	129	B	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	15.9		6.1	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	2250		36.6	24.4	mg/Kg	1	✳	6010C	Total/NA
Selenium	1.8	J	4.9	0.49	mg/Kg	1	✳	6010C	Total/NA
Silver	0.38	J	0.73	0.24	mg/Kg	1	✳	6010C	Total/NA
Sodium	708		171	15.9	mg/Kg	1	✳	6010C	Total/NA
Vanadium	27.5		0.61	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	15.0		2.4	0.78	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.032		0.030	0.0070	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-142 (8-9)(08062021)

Lab Sample ID: 480-188071-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	27	J	28	2.1	ug/Kg	1	✳	8260C	Total/NA
Acetone	180		28	4.8	ug/Kg	1	✳	8260C	Total/NA
Benzene	11		5.7	0.28	ug/Kg	1	✳	8260C	Total/NA
Carbon disulfide	14		5.7	2.8	ug/Kg	1	✳	8260C	Total/NA
Cyclohexane	9.4		5.7	0.80	ug/Kg	1	✳	8260C	Total/NA
Ethylbenzene	1.6	J TL	5.7	0.39	ug/Kg	1	✳	8260C	Total/NA
Isopropylbenzene	1.1	J TL	5.7	0.86	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	15		5.7	0.87	ug/Kg	1	✳	8260C	Total/NA
Toluene	16	TL	5.7	0.43	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	8.7	J	11	0.96	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-142 (11-12)(08062021)

Lab Sample ID: 480-188071-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	19	J	29	2.1	ug/Kg	1	✳	8260C	Total/NA
Acetone	260		29	4.9	ug/Kg	1	✳	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (11-12)(08062021) (Continued)

Lab Sample ID: 480-188071-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	7.5		5.8	0.28	ug/Kg	1	✳	8260C	Total/NA
Cyclohexane	7.1		5.8	0.81	ug/Kg	1	✳	8260C	Total/NA
Ethylbenzene	1.8	J TL	5.8	0.40	ug/Kg	1	✳	8260C	Total/NA
Methylcyclohexane	11		5.8	0.88	ug/Kg	1	✳	8260C	Total/NA
Toluene	13	TL	5.8	0.44	ug/Kg	1	✳	8260C	Total/NA
Xylenes, Total	9.1	J	12	0.97	ug/Kg	1	✳	8260C	Total/NA

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.65	J	2.0	0.35	ug/Kg	1	✳	8081B	Total/NA
delta-BHC	0.62	J	2.0	0.37	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.57	J B	2.0	0.36	ug/Kg	1	✳	8081B	Total/NA
Methoxychlor	1.2	J	2.0	0.40	ug/Kg	1	✳	8081B	Total/NA
Aluminum	8810		12.4	5.4	mg/Kg	1	✳	6010C	Total/NA
Arsenic	3.8		2.5	0.49	mg/Kg	1	✳	6010C	Total/NA
Barium	34.9		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.41		0.25	0.035	mg/Kg	1	✳	6010C	Total/NA
Cadmium	0.074	J	0.25	0.037	mg/Kg	1	✳	6010C	Total/NA
Calcium	74400	B	61.9	4.1	mg/Kg	1	✳	6010C	Total/NA
Chromium	12.7		0.62	0.25	mg/Kg	1	✳	6010C	Total/NA
Cobalt	5.0		0.62	0.062	mg/Kg	1	✳	6010C	Total/NA
Copper	9.5		1.2	0.26	mg/Kg	1	✳	6010C	Total/NA
Iron	14900		12.4	4.3	mg/Kg	1	✳	6010C	Total/NA
Lead	10.9		1.2	0.30	mg/Kg	1	✳	6010C	Total/NA
Magnesium	8900	B	24.7	1.1	mg/Kg	1	✳	6010C	Total/NA
Manganese	383	B	0.25	0.040	mg/Kg	1	✳	6010C	Total/NA
Nickel	11.6		6.2	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	2200		37.1	24.7	mg/Kg	1	✳	6010C	Total/NA
Selenium	1.0	J	4.9	0.49	mg/Kg	1	✳	6010C	Total/NA
Sodium	184		173	16.1	mg/Kg	1	✳	6010C	Total/NA
Vanadium	18.7		0.62	0.14	mg/Kg	1	✳	6010C	Total/NA
Zinc	27.0		2.5	0.79	mg/Kg	1	✳	6010C	Total/NA
Mercury	0.015	J	0.027	0.0062	mg/Kg	1	✳	7471B	Total/NA

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Endrin aldehyde	2.4		1.7	0.44	ug/Kg	1	✳	8081B	Total/NA
gamma-BHC (Lindane)	0.54	J B	1.7	0.31	ug/Kg	1	✳	8081B	Total/NA
trans-Chlordane	3.1		1.7	0.54	ug/Kg	1	✳	8081B	Total/NA
Aluminum	7750		10.8	4.8	mg/Kg	1	✳	6010C	Total/NA
Arsenic	5.0		2.2	0.43	mg/Kg	1	✳	6010C	Total/NA
Barium	17.7		0.54	0.12	mg/Kg	1	✳	6010C	Total/NA
Beryllium	0.43		0.22	0.030	mg/Kg	1	✳	6010C	Total/NA
Calcium	129000		108	7.2	mg/Kg	2	✳	6010C	Total/NA
Chromium	9.9		0.54	0.22	mg/Kg	1	✳	6010C	Total/NA
Cobalt	4.9		0.54	0.054	mg/Kg	1	✳	6010C	Total/NA
Copper	8.6		2.2	0.46	mg/Kg	2	✳	6010C	Total/NA
Iron	11300		10.8	3.8	mg/Kg	1	✳	6010C	Total/NA
Lead	15.0		1.1	0.26	mg/Kg	1	✳	6010C	Total/NA
Magnesium	28800	B	21.7	1.0	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021) (Continued)

Lab Sample ID: 480-188071-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	296	B	0.22	0.035	mg/Kg	1	☒	6010C	Total/NA
Nickel	10.8		5.4	0.25	mg/Kg	1	☒	6010C	Total/NA
Potassium	4180		32.5	21.7	mg/Kg	1	☒	6010C	Total/NA
Sodium	163		152	14.1	mg/Kg	1	☒	6010C	Total/NA
Vanadium	11.9		0.54	0.12	mg/Kg	1	☒	6010C	Total/NA
Zinc	15.9		2.2	0.69	mg/Kg	1	☒	6010C	Total/NA
Mercury	0.0053	J	0.018	0.0042	mg/Kg	1	☒	7471B	Total/NA

Client Sample ID: B-21-141 (2-3)(08062021)

Lab Sample ID: 480-188071-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane	1.5	J	6.2	0.87	ug/Kg	1	☒	8260C	Total/NA
Ethylbenzene	0.43	J	6.2	0.43	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	3.2	J	6.2	0.95	ug/Kg	1	☒	8260C	Total/NA
Toluene	3.3	J	6.2	0.47	ug/Kg	1	☒	8260C	Total/NA
Xylenes, Total	2.9	J	12	1.0	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-141 (8-9)(08062021)

Lab Sample ID: 480-188071-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	6.9	J	26	1.9	ug/Kg	1	☒	8260C	Total/NA
Acetone	40		26	4.4	ug/Kg	1	☒	8260C	Total/NA
Methylcyclohexane	1.3	J	5.3	0.80	ug/Kg	1	☒	8260C	Total/NA
Toluene	1.5	J	5.3	0.40	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-141 (13-14)(08062021)

Lab Sample ID: 480-188071-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	3.3	J	22	1.6	ug/Kg	1	☒	8260C	Total/NA
Acetone	25		22	3.8	ug/Kg	1	☒	8260C	Total/NA
Toluene	0.40	J	4.5	0.34	ug/Kg	1	☒	8260C	Total/NA

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
beta-BHC	0.91	J	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
delta-BHC	0.64	J	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
Endosulfan sulfate	0.43	J	1.9	0.36	ug/Kg	1	☒	8081B	Total/NA
Endrin aldehyde	2.0		1.9	0.49	ug/Kg	1	☒	8081B	Total/NA
Endrin ketone	0.93	J	1.9	0.47	ug/Kg	1	☒	8081B	Total/NA
gamma-BHC (Lindane)	0.89	J B	1.9	0.35	ug/Kg	1	☒	8081B	Total/NA
trans-Chlordane	0.92	J	1.9	0.61	ug/Kg	1	☒	8081B	Total/NA
Aluminum	7910		12.1	5.3	mg/Kg	1	☒	6010C	Total/NA
Arsenic	5.5		2.4	0.48	mg/Kg	1	☒	6010C	Total/NA
Barium	42.1		0.60	0.13	mg/Kg	1	☒	6010C	Total/NA
Beryllium	0.50		0.24	0.034	mg/Kg	1	☒	6010C	Total/NA
Calcium	102000	B	60.3	4.0	mg/Kg	1	☒	6010C	Total/NA
Chromium	10.4		0.60	0.24	mg/Kg	1	☒	6010C	Total/NA
Cobalt	6.1		0.60	0.060	mg/Kg	1	☒	6010C	Total/NA
Copper	10.4		1.2	0.25	mg/Kg	1	☒	6010C	Total/NA
Iron	14600		12.1	4.2	mg/Kg	1	☒	6010C	Total/NA
Lead	25.5		1.2	0.29	mg/Kg	1	☒	6010C	Total/NA
Magnesium	6590	B	24.1	1.1	mg/Kg	1	☒	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Detection Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (15-16)(08062021) (Continued)

Lab Sample ID: 480-188071-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Manganese	399	B	0.24	0.039	mg/Kg	1	✳	6010C	Total/NA
Nickel	12.3		6.0	0.28	mg/Kg	1	✳	6010C	Total/NA
Potassium	2580		36.2	24.1	mg/Kg	1	✳	6010C	Total/NA
Selenium	0.49	J	4.8	0.48	mg/Kg	1	✳	6010C	Total/NA
Sodium	224		169	15.7	mg/Kg	1	✳	6010C	Total/NA
Vanadium	14.7		0.60	0.13	mg/Kg	1	✳	6010C	Total/NA
Zinc	18.5		2.4	0.77	mg/Kg	1	✳	6010C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (1-2)(08062021)

Lab Sample ID: 480-188071-1

Date Collected: 08/06/21 07:50

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.7	U	4.7	0.34	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,1,2,2-Tetrachloroethane	4.7	U	4.7	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,1,2-Trichloroethane	4.7	U	4.7	0.61	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,1-Dichloroethane	4.7	U	4.7	0.58	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,1-Dichloroethene	4.7	U	4.7	0.58	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2,4-Trichlorobenzene	4.7	U	4.7	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2-Dibromo-3-Chloropropane	4.7	U	4.7	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2-Dibromoethane	4.7	U	4.7	0.61	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2-Dichlorobenzene	4.7	U	4.7	0.37	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2-Dichloroethane	4.7	U	4.7	0.24	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,2-Dichloropropane	4.7	U	4.7	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,3-Dichlorobenzene	4.7	U	4.7	0.24	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
1,4-Dichlorobenzene	4.7	U	4.7	0.66	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
2-Butanone (MEK)	24	U	24	1.7	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
2-Hexanone	24	U	24	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
4-Methyl-2-pentanone (MIBK)	24	U	24	1.5	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Acetone	24	U	24	4.0	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Benzene	4.7	U	4.7	0.23	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Bromodichloromethane	4.7	U	4.7	0.63	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Bromoform	4.7	U	4.7	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Bromomethane	4.7	U	4.7	0.42	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Carbon disulfide	4.7	U	4.7	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Carbon tetrachloride	4.7	U	4.7	0.46	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Chlorobenzene	4.7	U	4.7	0.62	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Chloroethane	4.7	U	4.7	1.1	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Chloroform	4.7	U	4.7	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Chloromethane	4.7	U	4.7	0.28	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
cis-1,2-Dichloroethene	4.7	U	4.7	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
cis-1,3-Dichloropropene	4.7	U	4.7	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Cyclohexane	4.7	U	4.7	0.66	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Dibromochloromethane	4.7	U	4.7	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Dichlorodifluoromethane	4.7	U	4.7	0.39	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Ethylbenzene	4.7	U	4.7	0.33	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Isopropylbenzene	4.7	U	4.7	0.71	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Methyl acetate	24	U	24	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Methyl tert-butyl ether	4.7	U	4.7	0.46	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Methylcyclohexane	0.77	J	4.7	0.72	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Methylene Chloride	4.7	U	4.7	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Styrene	4.7	U	4.7	0.24	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Tetrachloroethene	4.7	U	4.7	0.63	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Toluene	4.7	U	4.7	0.36	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
trans-1,2-Dichloroethene	4.7	U	4.7	0.49	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
trans-1,3-Dichloropropene	4.7	U	4.7	2.1	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Trichloroethene	4.7	U	4.7	1.0	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Trichlorofluoromethane	4.7	U	4.7	0.45	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Vinyl chloride	4.7	U	4.7	0.58	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1
Xylenes, Total	9.4	U	9.4	0.79	ug/Kg	☼	08/07/21 12:30	08/10/21 00:48	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (1-2)(08062021)

Lab Sample ID: 480-188071-1

Date Collected: 08/06/21 07:50

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.4

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	40	TJ	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 00:48	1
Unknown	7.4	TJ	ug/Kg	☼	11.41		08/07/21 12:30	08/10/21 00:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	106		64 - 126	08/07/21 12:30	08/10/21 00:48	1
4-Bromofluorobenzene (Surr)	97		72 - 126	08/07/21 12:30	08/10/21 00:48	1
Dibromofluoromethane (Surr)	109		60 - 140	08/07/21 12:30	08/10/21 00:48	1
Toluene-d8 (Surr)	104		71 - 125	08/07/21 12:30	08/10/21 00:48	1

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1000	U	1000	170	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
1,4-Dioxane	590	U	590	330	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,3,4,6-Tetrachlorophenol	1000	U	1000	210	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4,5-Trichlorophenol	1000	U	1000	270	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4,6-Trichlorophenol	1000	U	1000	200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4-Dichlorophenol	1000	U	1000	110	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4-Dimethylphenol	1000	U	1000	240	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4-Dinitrophenol	9800	U	9800	4600	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,4-Dinitrotoluene	1000	U	1000	210	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2,6-Dinitrotoluene	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Chloronaphthalene	1000	U	1000	170	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Chlorophenol	2000	U	2000	180	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Methylnaphthalene	250	J	1000	200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Methylphenol	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Nitroaniline	2000	U	2000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
2-Nitrophenol	1000	U	1000	280	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
3,3'-Dichlorobenzidine	2000	U	2000	1200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
3-Nitroaniline	2000	U	2000	280	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4,6-Dinitro-2-methylphenol	2000	U	2000	1000	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Bromophenyl phenyl ether	1000	U	1000	140	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Chloro-3-methylphenol	1000	U	1000	250	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Chloroaniline	1000	U	1000	250	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Chlorophenyl phenyl ether	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Methylphenol	2000	U	2000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Nitroaniline	2000	U	2000	530	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
4-Nitrophenol	2000	U	2000	700	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Acenaphthene	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Acenaphthylene	1000	U	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Acetophenone	1000	U	1000	140	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Anthracene	1000	U	1000	250	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Atrazine	1000	U	1000	350	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Benzaldehyde	1000	U	1000	800	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Benzo[a]anthracene	1000	U	1000	100	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Benzo[a]pyrene	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Benzo[b]fluoranthene	1000	U	1000	160	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Benzo[g,h,i]perylene	1000	U	1000	110	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	1000	U	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Biphenyl	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
bis (2-chloroisopropyl) ether	1000	U	1000	200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Bis(2-chloroethoxy)methane	1000	U	1000	210	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Bis(2-chloroethyl)ether	1000	U	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Bis(2-ethylhexyl) phthalate	1000	U	1000	340	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Butyl benzyl phthalate	1000	U	1000	170	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Caprolactam	1000	U	1000	300	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Carbazole	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Chrysene	1000	U	1000	220	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Dibenz(a,h)anthracene	1000	U	1000	180	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Dibenzofuran	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Diethyl phthalate	1000	U	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Dimethyl phthalate	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Di-n-butyl phthalate	1000	U	1000	170	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Di-n-octyl phthalate	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Fluoranthene	1000	U	1000	110	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Fluorene	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Hexachlorobenzene	1000	U	1000	140	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Hexachlorobutadiene	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Hexachlorocyclopentadiene	1000	U	1000	140	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Hexachloroethane	1000	U	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Indeno[1,2,3-cd]pyrene	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Isophorone	1000	U	1000	210	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Naphthalene	160	J	1000	130	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Nitrobenzene	1000	U	1000	110	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
N-Nitrosodi-n-propylamine	1000	U	1000	170	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
N-Nitrosodiphenylamine	1000	U	1000	820	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Pentachlorophenol	2000	U	2000	1000	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Phenanthrene	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Phenol	1000	U	1000	150	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5
Pyrene	1000	U	1000	120	ug/Kg	☼	08/09/21 15:03	08/10/21 19:09	5

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	1500	T J	ug/Kg	☼	12.00		08/09/21 15:03	08/10/21 19:09	5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	115		54 - 120	08/09/21 15:03	08/10/21 19:09	5
2-Fluorobiphenyl (Surr)	92		60 - 120	08/09/21 15:03	08/10/21 19:09	5
2-Fluorophenol (Surr)	83		52 - 120	08/09/21 15:03	08/10/21 19:09	5
Nitrobenzene-d5 (Surr)	84		53 - 120	08/09/21 15:03	08/10/21 19:09	5
Phenol-d5 (Surr)	80		54 - 120	08/09/21 15:03	08/10/21 19:09	5
p-Terphenyl-d14 (Surr)	108		79 - 130	08/09/21 15:03	08/10/21 19:09	5

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	4.4	J	20	3.8	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
4,4'-DDE	20	U	20	4.1	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
4,4'-DDT	20	U	20	4.6	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Aldrin	20	U	20	4.8	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 83.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	6.4	J	20	3.5	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
beta-BHC	20	U	20	3.5	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
cis-Chlordane	20	U	20	9.7	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
delta-BHC	20	U	20	3.6	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Dieldrin	20	U	20	4.7	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endosulfan I	20	U	20	3.7	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endosulfan II	20	U	20	3.5	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endosulfan sulfate	20	U	20	3.6	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endrin	20	U	20	3.9	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endrin aldehyde	20	U	20	5.0	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Endrin ketone	20	U	20	4.8	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
gamma-BHC (Lindane)	6.0	J B	20	3.6	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Heptachlor	20	U	20	4.2	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Heptachlor epoxide	20	U	20	5.0	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Methoxychlor	13	J	20	4.0	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
Toxaphene	200	U	200	110	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10
trans-Chlordane	20	U	20	6.2	ug/Kg	☼	08/10/21 07:20	08/11/21 17:22	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	95		45 - 120	08/10/21 07:20	08/11/21 17:22	10
DCB Decachlorobiphenyl	158	TH	45 - 120	08/10/21 07:20	08/11/21 17:22	10
Tetrachloro-m-xylene	88		30 - 124	08/10/21 07:20	08/11/21 17:22	10
Tetrachloro-m-xylene	118		30 - 124	08/10/21 07:20	08/11/21 17:22	10

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.20	U	0.20	0.040	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1221	0.20	U	0.20	0.040	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1232	0.20	U	0.20	0.040	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1242	0.20	U	0.20	0.040	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1248	0.20	U	0.20	0.040	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1254	0.20	U	0.20	0.095	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1
PCB-1260	0.20	U	0.20	0.095	mg/Kg	☼	08/10/21 15:07	08/11/21 18:12	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		60 - 154	08/10/21 15:07	08/11/21 18:12	1
Tetrachloro-m-xylene	110		60 - 154	08/10/21 15:07	08/11/21 18:12	1
DCB Decachlorobiphenyl	93		65 - 174	08/10/21 15:07	08/11/21 18:12	1
DCB Decachlorobiphenyl	102		65 - 174	08/10/21 15:07	08/11/21 18:12	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	20	U	20	12	ug/Kg	☼	08/12/21 08:43	08/17/21 03:08	1
Silvex (2,4,5-TP)	20	U	20	7.1	ug/Kg	☼	08/12/21 08:43	08/17/21 03:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	32		28 - 129	08/12/21 08:43	08/17/21 03:08	1
2,4-Dichlorophenylacetic acid	90		28 - 129	08/12/21 08:43	08/17/21 03:08	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 83.7

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	13000		12.2	5.4	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Antimony	18.3	U	18.3	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Arsenic	7.2		2.4	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Barium	134		0.61	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Beryllium	1.0		0.24	0.034	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Cadmium	0.12	J	0.24	0.037	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Calcium	20600	B	61.1	4.0	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Chromium	20.7		0.61	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Cobalt	6.2		0.61	0.061	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Copper	10.8		1.2	0.26	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Iron	22900		12.2	4.3	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Lead	12.5		1.2	0.29	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Magnesium	5380	B	24.4	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Manganese	129	B	0.24	0.039	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Nickel	15.9		6.1	0.28	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Potassium	2250		36.6	24.4	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Selenium	1.8	J	4.9	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Silver	0.38	J	0.73	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Sodium	708		171	15.9	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Thallium	7.3	U	7.3	0.37	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Vanadium	27.5		0.61	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1
Zinc	15.0		2.4	0.78	mg/Kg	☼	08/08/21 20:13	08/10/21 02:42	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.032		0.030	0.0070	mg/Kg	☼	08/17/21 14:40	08/17/21 17:04	1

Client Sample ID: B-21-142 (8-9)(08062021)

Lab Sample ID: 480-188071-3

Date Collected: 08/06/21 08:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 78.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.7	U	5.7	0.41	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,1,2,2-Tetrachloroethane	5.7	U TL	5.7	0.92	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.7	U	5.7	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,1,2-Trichloroethane	5.7	U TL	5.7	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,1-Dichloroethane	5.7	U	5.7	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,1-Dichloroethene	5.7	U	5.7	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2,4-Trichlorobenzene	5.7	U TL	5.7	0.35	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2-Dibromo-3-Chloropropane	5.7	U TL	5.7	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2-Dibromoethane	5.7	U TL	5.7	0.73	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2-Dichlorobenzene	5.7	U TL	5.7	0.45	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2-Dichloroethane	5.7	U	5.7	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,2-Dichloropropane	5.7	U	5.7	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,3-Dichlorobenzene	5.7	U TL	5.7	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
1,4-Dichlorobenzene	5.7	U TL	5.7	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
2-Butanone (MEK)	27	J	28	2.1	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
2-Hexanone	28	U TL	28	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
4-Methyl-2-pentanone (MIBK)	28	U TL	28	1.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (8-9)(08062021)

Lab Sample ID: 480-188071-3

Date Collected: 08/06/21 08:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 78.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	180		28	4.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Benzene	11		5.7	0.28	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Bromodichloromethane	5.7	U	5.7	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Bromoform	5.7	U TL	5.7	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Bromomethane	5.7	U	5.7	0.51	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Carbon disulfide	14		5.7	2.8	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Carbon tetrachloride	5.7	U	5.7	0.55	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Chlorobenzene	5.7	U TL	5.7	0.75	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Chloroethane	5.7	U	5.7	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Chloroform	5.7	U	5.7	0.35	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Chloromethane	5.7	U	5.7	0.34	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
cis-1,2-Dichloroethene	5.7	U	5.7	0.73	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
cis-1,3-Dichloropropene	5.7	U	5.7	0.82	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Cyclohexane	9.4		5.7	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Dibromochloromethane	5.7	U TL	5.7	0.73	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Dichlorodifluoromethane	5.7	U	5.7	0.47	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Ethylbenzene	1.6	J TL	5.7	0.39	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Isopropylbenzene	1.1	J TL	5.7	0.86	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Methyl acetate	28	U	28	3.4	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Methyl tert-butyl ether	5.7	U	5.7	0.56	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Methylcyclohexane	15		5.7	0.87	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Methylene Chloride	5.7	U	5.7	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Styrene	5.7	U TL	5.7	0.28	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Tetrachloroethene	5.7	U TL	5.7	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Toluene	16	TL	5.7	0.43	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
trans-1,2-Dichloroethene	5.7	U	5.7	0.59	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
trans-1,3-Dichloropropene	5.7	U TL	5.7	2.5	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Trichloroethene	5.7	U	5.7	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Trichlorofluoromethane	5.7	U	5.7	0.54	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Vinyl chloride	5.7	U	5.7	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1
Xylenes, Total	8.7	J	11	0.96	ug/Kg	☼	08/07/21 12:30	08/10/21 23:07	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Butane, 2-methyl-	16	T J N	ug/Kg	☼	1.81	78-78-4	08/07/21 12:30	08/10/21 23:07	1
Unknown	150	T J	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 23:07	1
Unknown	19	T J	ug/Kg	☼	11.41		08/07/21 12:30	08/10/21 23:07	1
Unknown	12	T J	ug/Kg	☼	14.08		08/07/21 12:30	08/10/21 23:07	1
Bicyclo[7.2.0]undec-4-ene, 4,11,11-trimethyl-8-methylene-,[1	6.9	T J N	ug/Kg	☼	14.28	118-65-0	08/07/21 12:30	08/10/21 23:07	1
Unknown	12	T J	ug/Kg	☼	14.78		08/07/21 12:30	08/10/21 23:07	1
Tricyclo[2.2.1.0(2,6)]heptane, 1,7-dimethyl-7-(4-methyl-3-pe	9.1	T J N	ug/Kg	☼	14.80	512-61-8	08/07/21 12:30	08/10/21 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	111		64 - 126	08/07/21 12:30	08/10/21 23:07	1
4-Bromofluorobenzene (Surr)	75	TL	72 - 126	08/07/21 12:30	08/10/21 23:07	1
Dibromofluoromethane (Surr)	115		60 - 140	08/07/21 12:30	08/10/21 23:07	1
Toluene-d8 (Surr)	133	TL TH	71 - 125	08/07/21 12:30	08/10/21 23:07	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (11-12)(08062021)

Lab Sample ID: 480-188071-4

Date Collected: 08/06/21 08:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 75.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.8	U	5.8	0.42	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,1,1,2-Tetrachloroethane	5.8	U TL	5.8	0.94	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.8	U	5.8	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,1,2-Trichloroethane	5.8	U TL	5.8	0.75	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,1-Dichloroethane	5.8	U	5.8	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,1-Dichloroethene	5.8	U	5.8	0.71	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2,4-Trichlorobenzene	5.8	U TL	5.8	0.35	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2-Dibromo-3-Chloropropane	5.8	U TL	5.8	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2-Dibromoethane	5.8	U TL	5.8	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2-Dichlorobenzene	5.8	U TL	5.8	0.45	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2-Dichloroethane	5.8	U	5.8	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,2-Dichloropropane	5.8	U	5.8	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,3-Dichlorobenzene	5.8	U TL	5.8	0.30	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
1,4-Dichlorobenzene	5.8	U TL	5.8	0.81	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
2-Butanone (MEK)	19	J	29	2.1	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
2-Hexanone	29	U TL	29	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
4-Methyl-2-pentanone (MIBK)	29	U TL	29	1.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Acetone	260		29	4.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Benzene	7.5		5.8	0.28	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Bromodichloromethane	5.8	U	5.8	0.77	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Bromoform	5.8	U TL	5.8	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Bromomethane	5.8	U	5.8	0.52	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Carbon disulfide	5.8	U	5.8	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Carbon tetrachloride	5.8	U	5.8	0.56	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Chlorobenzene	5.8	U TL	5.8	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Chloroethane	5.8	U	5.8	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Chloroform	5.8	U	5.8	0.36	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Chloromethane	5.8	U	5.8	0.35	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
cis-1,2-Dichloroethene	5.8	U	5.8	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
cis-1,3-Dichloropropene	5.8	U	5.8	0.83	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Cyclohexane	7.1		5.8	0.81	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Dibromochloromethane	5.8	U TL	5.8	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Dichlorodifluoromethane	5.8	U	5.8	0.48	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Ethylbenzene	1.8	J TL	5.8	0.40	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Isopropylbenzene	5.8	U TL	5.8	0.87	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Methyl acetate	29	U	29	3.5	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Methyl tert-butyl ether	5.8	U	5.8	0.57	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Methylcyclohexane	11		5.8	0.88	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Methylene Chloride	5.8	U	5.8	2.7	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Styrene	5.8	U TL	5.8	0.29	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Tetrachloroethene	5.8	U TL	5.8	0.77	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Toluene	13	TL	5.8	0.44	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
trans-1,2-Dichloroethene	5.8	U	5.8	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
trans-1,3-Dichloropropene	5.8	U TL	5.8	2.5	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Trichloroethene	5.8	U	5.8	1.3	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Trichlorofluoromethane	5.8	U	5.8	0.55	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Vinyl chloride	5.8	U	5.8	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1
Xylenes, Total	9.1	J	12	0.97	ug/Kg	☼	08/07/21 12:30	08/10/21 23:31	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (11-12)(08062021)

Lab Sample ID: 480-188071-4

Date Collected: 08/06/21 08:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 75.7

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	9.9	TJ	ug/Kg	☼	1.80		08/07/21 12:30	08/10/21 23:31	1
column bleed	22	TJ	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 23:31	1
Unknown	5.8	TJ	ug/Kg	☼	11.41		08/07/21 12:30	08/10/21 23:31	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	112		64 - 126				08/07/21 12:30	08/10/21 23:31	1
4-Bromofluorobenzene (Surr)	65	TL	72 - 126				08/07/21 12:30	08/10/21 23:31	1
Dibromofluoromethane (Surr)	122		60 - 140				08/07/21 12:30	08/10/21 23:31	1
Toluene-d8 (Surr)	145	TL TH	71 - 125				08/07/21 12:30	08/10/21 23:31	1

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4-Dinitrophenol	1900	U	1900	920	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Chlorophenol	390	U	390	36	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Nitroaniline	390	U	390	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
3,3'-Dichlorobenzidine	390	U	390	230	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Methylphenol	390	U	390	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Nitroaniline	390	U	390	100	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Anthracene	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Atrazine	200	U	200	69	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Benzaldehyde	200	U	200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Caprolactam	200	U	200	60	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Carbazole	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Chrysene	200	U	200	45	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Fluorene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Isophorone	200	U	200	42	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Phenol	200	U	200	30	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1
Pyrene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 19:33	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2400	T J	ug/Kg	☼	1.91		08/09/21 15:03	08/10/21 19:33	1
Unknown	420	T J	ug/Kg	☼	3.27		08/09/21 15:03	08/10/21 19:33	1
Unknown	170	T J	ug/Kg	☼	13.86		08/09/21 15:03	08/10/21 19:33	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	115		54 - 120	08/09/21 15:03	08/10/21 19:33	1
2-Fluorobiphenyl (Surr)	91		60 - 120	08/09/21 15:03	08/10/21 19:33	1
2-Fluorophenol (Surr)	81		52 - 120	08/09/21 15:03	08/10/21 19:33	1
Nitrobenzene-d5 (Surr)	89		53 - 120	08/09/21 15:03	08/10/21 19:33	1
Phenol-d5 (Surr)	87		54 - 120	08/09/21 15:03	08/10/21 19:33	1
p-Terphenyl-d14 (Surr)	112		79 - 130	08/09/21 15:03	08/10/21 19:33	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	2.0	U	2.0	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
4,4'-DDT	2.0	U	2.0	0.46	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Aldrin	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
alpha-BHC	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
beta-BHC	0.65	J	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
cis-Chlordane	2.0	U	2.0	0.98	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
delta-BHC	0.62	J	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Dieldrin	2.0	U	2.0	0.47	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endosulfan I	2.0	U	2.0	0.38	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endosulfan II	2.0	U	2.0	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endosulfan sulfate	2.0	U	2.0	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endrin	2.0	U	2.0	0.39	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endrin aldehyde	2.0	U	2.0	0.50	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Endrin ketone	2.0	U	2.0	0.49	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
gamma-BHC (Lindane)	0.57	J B	2.0	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Heptachlor	2.0	U	2.0	0.43	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Heptachlor epoxide	2.0	U	2.0	0.51	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Methoxychlor	1.2	J	2.0	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
Toxaphene	20	U	20	11	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1
trans-Chlordane	2.0	U	2.0	0.63	ug/Kg	☼	08/10/21 07:20	08/11/21 17:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	80		45 - 120	08/10/21 07:20	08/11/21 17:42	1
DCB Decachlorobiphenyl	114		45 - 120	08/10/21 07:20	08/11/21 17:42	1
Tetrachloro-m-xylene	94		30 - 124	08/10/21 07:20	08/11/21 17:42	1
Tetrachloro-m-xylene	99		30 - 124	08/10/21 07:20	08/11/21 17:42	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1221	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1232	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1242	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1248	0.22	U	0.22	0.043	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1254	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1
PCB-1260	0.22	U	0.22	0.10	mg/Kg	☼	08/10/21 15:07	08/11/21 18:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	104		60 - 154	08/10/21 15:07	08/11/21 18:24	1
Tetrachloro-m-xylene	110		60 - 154	08/10/21 15:07	08/11/21 18:24	1
DCB Decachlorobiphenyl	93		65 - 174	08/10/21 15:07	08/11/21 18:24	1
DCB Decachlorobiphenyl	104		65 - 174	08/10/21 15:07	08/11/21 18:24	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	☼	08/12/21 08:43	08/17/21 03:37	1
Silvex (2,4,5-TP)	19	U	19	6.9	ug/Kg	☼	08/12/21 08:43	08/17/21 03:37	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	73		28 - 129	08/12/21 08:43	08/17/21 03:37	1
2,4-Dichlorophenylacetic acid	75		28 - 129	08/12/21 08:43	08/17/21 03:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	8810		12.4	5.4	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Antimony	18.6	U	18.6	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Arsenic	3.8		2.5	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Barium	34.9		0.62	0.14	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Beryllium	0.41		0.25	0.035	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Cadmium	0.074	J	0.25	0.037	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Calcium	74400	B	61.9	4.1	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Chromium	12.7		0.62	0.25	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Cobalt	5.0		0.62	0.062	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Copper	9.5		1.2	0.26	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Iron	14900		12.4	4.3	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Lead	10.9		1.2	0.30	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Magnesium	8900	B	24.7	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Manganese	383	B	0.25	0.040	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Nickel	11.6		6.2	0.28	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Potassium	2200		37.1	24.7	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Selenium	1.0	J	4.9	0.49	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Silver	0.74	U	0.74	0.25	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Sodium	184		173	16.1	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Thallium	7.4	U	7.4	0.37	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Vanadium	18.7		0.62	0.14	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1
Zinc	27.0		2.5	0.79	mg/Kg	☼	08/08/21 20:13	08/10/21 02:57	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.015	J	0.027	0.0062	mg/Kg	☼	08/17/21 14:40	08/17/21 17:05	1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	180	U	180	30	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
1,4-Dioxane	100	U	100	57	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,3,4,6-Tetrachlorophenol	180	U	180	37	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4,5-Trichlorophenol	180	U	180	48	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4,6-Trichlorophenol	180	U	180	35	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4-Dichlorophenol	180	U	180	19	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4-Dimethylphenol	180	U	180	43	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4-Dinitrophenol	1700	U	1700	820	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,4-Dinitrotoluene	180	U	180	37	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2,6-Dinitrotoluene	180	U	180	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Chloronaphthalene	180	U	180	29	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Chlorophenol	340	U	340	32	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Methylnaphthalene	180	U	180	35	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Methylphenol	180	U	180	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Nitroaniline	340	U	340	26	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
2-Nitrophenol	180	U	180	50	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
3,3'-Dichlorobenzidine	340	U	340	210	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
3-Nitroaniline	340	U	340	49	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4,6-Dinitro-2-methylphenol	340	U	340	180	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Bromophenyl phenyl ether	180	U	180	25	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Chloro-3-methylphenol	180	U	180	44	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Chloroaniline	180	U	180	44	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Chlorophenyl phenyl ether	180	U	180	22	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Methylphenol	340	U	340	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Nitroaniline	340	U	340	93	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
4-Nitrophenol	340	U	340	120	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Acenaphthene	180	U	180	26	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Acenaphthylene	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Acetophenone	180	U	180	24	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Anthracene	180	U	180	44	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Atrazine	180	U	180	62	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzaldehyde	180	U	180	140	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzo[a]anthracene	180	U	180	18	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzo[a]pyrene	180	U	180	26	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzo[b]fluoranthene	180	U	180	28	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzo[g,h,i]perylene	180	U	180	19	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Benzo[k]fluoranthene	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Biphenyl	180	U	180	26	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
bis (2-chloroisopropyl) ether	180	U	180	35	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Bis(2-chloroethoxy)methane	180	U	180	38	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Bis(2-chloroethyl)ether	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Bis(2-ethylhexyl) phthalate	180	U	180	60	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Butyl benzyl phthalate	180	U	180	29	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Caprolactam	180	U	180	53	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Carbazole	180	U	180	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Chrysene	180	U	180	40	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Dibenz(a,h)anthracene	180	U	180	31	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Dibenzofuran	180	U	180	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Diethyl phthalate	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Dimethyl phthalate	180	U	180	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Di-n-butyl phthalate	180	U	180	30	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Di-n-octyl phthalate	180	U	180	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Fluoranthene	180	U	180	19	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Fluorene	180	U	180	21	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Hexachlorobenzene	180	U	180	24	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Hexachlorobutadiene	180	U	180	26	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Hexachlorocyclopentadiene	180	U	180	24	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Hexachloroethane	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Indeno[1,2,3-cd]pyrene	180	U	180	22	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Isophorone	180	U	180	38	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Naphthalene	180	U	180	23	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Nitrobenzene	180	U	180	20	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
N-Nitrosodi-n-propylamine	180	U	180	30	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
N-Nitrosodiphenylamine	180	U	180	140	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Pentachlorophenol	340	U	340	180	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1
Phenanthrene	180	U	180	26	ug/Kg	✱	08/09/21 15:03	08/10/21 19:56	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	180	U	180	27	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1
Pyrene	180	U	180	21	ug/Kg	☼	08/09/21 15:03	08/10/21 19:56	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	2000	T J	ug/Kg	☼	1.91		08/09/21 15:03	08/10/21 19:56	1
Unknown	330	T J	ug/Kg	☼	2.28		08/09/21 15:03	08/10/21 19:56	1
Unknown	310	T J	ug/Kg	☼	3.27		08/09/21 15:03	08/10/21 19:56	1
Ethane, 1,1,2,2-tetrachloro-	420	T J N	ug/Kg	☼	4.45	79-34-5	08/09/21 15:03	08/10/21 19:56	1
Decane	200	T J N	ug/Kg	☼	5.39	124-18-5	08/09/21 15:03	08/10/21 19:56	1
Undecane	240	T J N	ug/Kg	☼	6.35	1120-21-4	08/09/21 15:03	08/10/21 19:56	1
Dodecane	270	T J N	ug/Kg	☼	7.17	112-40-3	08/09/21 15:03	08/10/21 19:56	1
Tridecane	300	T J N	ug/Kg	☼	7.89	629-50-5	08/09/21 15:03	08/10/21 19:56	1
Tetradecane	270	T J N	ug/Kg	☼	8.56	629-59-4	08/09/21 15:03	08/10/21 19:56	1
Hexadecane	260	T J N	ug/Kg	☼	9.77	544-76-3	08/09/21 15:03	08/10/21 19:56	1
Heptadecane	380	T J N	ug/Kg	☼	10.29	629-78-7	08/09/21 15:03	08/10/21 19:56	1
Octadecane	320	T J N	ug/Kg	☼	10.76	593-45-3	08/09/21 15:03	08/10/21 19:56	1
Nonadecane	300	T J N	ug/Kg	☼	11.18	629-92-5	08/09/21 15:03	08/10/21 19:56	1
Eicosane	310	T J N	ug/Kg	☼	11.56	112-95-8	08/09/21 15:03	08/10/21 19:56	1
Docosane	360	T J N	ug/Kg	☼	12.23	629-97-0	08/09/21 15:03	08/10/21 19:56	1
Dotriacontane	350	T J N	ug/Kg	☼	12.54	544-85-4	08/09/21 15:03	08/10/21 19:56	1
Tetracosane	330	T J N	ug/Kg	☼	12.83	646-31-1	08/09/21 15:03	08/10/21 19:56	1
Octacosane	320	T J N	ug/Kg	☼	13.11	630-02-4	08/09/21 15:03	08/10/21 19:56	1
Unknown	980	T J	ug/Kg	☼	13.87		08/09/21 15:03	08/10/21 19:56	1
Unknown	260	T J	ug/Kg	☼	13.89		08/09/21 15:03	08/10/21 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	103		54 - 120	08/09/21 15:03	08/10/21 19:56	1
2-Fluorobiphenyl (Surr)	91		60 - 120	08/09/21 15:03	08/10/21 19:56	1
2-Fluorophenol (Surr)	74		52 - 120	08/09/21 15:03	08/10/21 19:56	1
Nitrobenzene-d5 (Surr)	86		53 - 120	08/09/21 15:03	08/10/21 19:56	1
Phenol-d5 (Surr)	80		54 - 120	08/09/21 15:03	08/10/21 19:56	1
p-Terphenyl-d14 (Surr)	112		79 - 130	08/09/21 15:03	08/10/21 19:56	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.7	U	1.7	0.33	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
4,4'-DDE	1.7	U	1.7	0.36	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
4,4'-DDT	1.7	U	1.7	0.40	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Aldrin	1.7	U	1.7	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
alpha-BHC	1.7	U	1.7	0.31	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
beta-BHC	1.7	U	1.7	0.31	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
cis-Chlordane	1.7	U	1.7	0.85	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
delta-BHC	1.7	U	1.7	0.32	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Dieldrin	1.7	U	1.7	0.41	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endosulfan I	1.7	U	1.7	0.33	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endosulfan II	1.7	U	1.7	0.31	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endosulfan sulfate	1.7	U	1.7	0.32	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endrin	1.7	U	1.7	0.34	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endrin aldehyde	2.4		1.7	0.44	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Endrin ketone	1.7	U	1.7	0.42	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.54	J B	1.7	0.31	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Heptachlor	1.7	U	1.7	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Heptachlor epoxide	1.7	U	1.7	0.44	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Methoxychlor	1.7	U	1.7	0.35	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Toxaphene	17	U	17	9.9	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
trans-Chlordane	3.1		1.7	0.54	ug/Kg	☼	08/10/21 07:20	08/11/21 14:27	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		45 - 120				08/10/21 07:20	08/11/21 14:27	1
DCB Decachlorobiphenyl	100		45 - 120				08/10/21 07:20	08/11/21 14:27	1
Tetrachloro-m-xylene	85		30 - 124				08/10/21 07:20	08/11/21 14:27	1
Tetrachloro-m-xylene	93		30 - 124				08/10/21 07:20	08/11/21 14:27	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.25	U	0.25	0.048	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1221	0.25	U	0.25	0.048	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1232	0.25	U	0.25	0.048	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1242	0.25	U	0.25	0.048	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1248	0.25	U	0.25	0.048	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1254	0.25	U	0.25	0.12	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
PCB-1260	0.25	U	0.25	0.12	mg/Kg	☼	08/10/21 15:07	08/11/21 18:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	109		60 - 154				08/10/21 15:07	08/11/21 18:37	1
Tetrachloro-m-xylene	119		60 - 154				08/10/21 15:07	08/11/21 18:37	1
DCB Decachlorobiphenyl	100		65 - 174				08/10/21 15:07	08/11/21 18:37	1
DCB Decachlorobiphenyl	112		65 - 174				08/10/21 15:07	08/11/21 18:37	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	17	U	17	11	ug/Kg	☼	08/12/21 08:43	08/17/21 04:07	1
Silvex (2,4,5-TP)	17	U	17	6.1	ug/Kg	☼	08/12/21 08:43	08/17/21 04:07	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	62		28 - 129				08/12/21 08:43	08/17/21 04:07	1
2,4-Dichlorophenylacetic acid	65		28 - 129				08/12/21 08:43	08/17/21 04:07	1

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7750		10.8	4.8	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Antimony	16.3	U	16.3	0.43	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Arsenic	5.0		2.2	0.43	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Barium	17.7		0.54	0.12	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Beryllium	0.43		0.22	0.030	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Cadmium	0.22	U	0.22	0.033	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Calcium	129000		108	7.2	mg/Kg	☼	08/08/21 20:13	08/10/21 21:10	2
Chromium	9.9		0.54	0.22	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Cobalt	4.9		0.54	0.054	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Copper	8.6		2.2	0.46	mg/Kg	☼	08/08/21 20:13	08/10/21 21:10	2
Iron	11300		10.8	3.8	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Method: 6010C - Metals (ICP) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15.0		1.1	0.26	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Magnesium	28800	B	21.7	1.0	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Manganese	296	B	0.22	0.035	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Nickel	10.8		5.4	0.25	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Potassium	4180		32.5	21.7	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Selenium	4.3	U	4.3	0.43	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Silver	0.65	U	0.65	0.22	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Sodium	163		152	14.1	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Thallium	6.5	U	6.5	0.33	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Vanadium	11.9		0.54	0.12	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1
Zinc	15.9		2.2	0.69	mg/Kg	☼	08/08/21 20:13	08/10/21 03:01	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0053	J	0.018	0.0042	mg/Kg	☼	08/17/21 14:40	08/17/21 17:07	1

Client Sample ID: B-21-141 (2-3)(08062021)

Lab Sample ID: 480-188071-7

Date Collected: 08/06/21 10:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	6.2	U	6.2	0.45	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,1,2,2-Tetrachloroethane	6.2	U	6.2	1.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	6.2	U	6.2	1.4	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,1,2-Trichloroethane	6.2	U	6.2	0.81	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,1-Dichloroethane	6.2	U	6.2	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,1-Dichloroethene	6.2	U	6.2	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2,4-Trichlorobenzene	6.2	U	6.2	0.38	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2-Dibromo-3-Chloropropane	6.2	U	6.2	3.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2-Dibromoethane	6.2	U	6.2	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2-Dichlorobenzene	6.2	U	6.2	0.49	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2-Dichloroethane	6.2	U	6.2	0.31	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,2-Dichloropropane	6.2	U	6.2	3.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,3-Dichlorobenzene	6.2	U	6.2	0.32	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
1,4-Dichlorobenzene	6.2	U	6.2	0.87	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
2-Butanone (MEK)	31	U	31	2.3	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
2-Hexanone	31	U	31	3.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
4-Methyl-2-pentanone (MIBK)	31	U	31	2.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Acetone	31	U	31	5.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Benzene	6.2	U	6.2	0.30	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Bromodichloromethane	6.2	U	6.2	0.83	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Bromoform	6.2	U	6.2	3.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Bromomethane	6.2	U	6.2	0.56	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Carbon disulfide	6.2	U	6.2	3.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Carbon tetrachloride	6.2	U	6.2	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Chlorobenzene	6.2	U	6.2	0.82	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Chloroethane	6.2	U	6.2	1.4	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Chloroform	6.2	U	6.2	0.38	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Chloromethane	6.2	U	6.2	0.38	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (2-3)(08062021)

Lab Sample ID: 480-188071-7

Date Collected: 08/06/21 10:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	6.2	U	6.2	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
cis-1,3-Dichloropropene	6.2	U	6.2	0.90	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Cyclohexane	1.5	J	6.2	0.87	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Dibromochloromethane	6.2	U	6.2	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Dichlorodifluoromethane	6.2	U	6.2	0.51	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Ethylbenzene	0.43	J	6.2	0.43	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Isopropylbenzene	6.2	U	6.2	0.94	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Methyl acetate	31	U	31	3.8	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Methyl tert-butyl ether	6.2	U	6.2	0.61	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Methylcyclohexane	3.2	J	6.2	0.95	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Methylene Chloride	6.2	U	6.2	2.9	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Styrene	6.2	U	6.2	0.31	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Tetrachloroethene	6.2	U	6.2	0.84	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Toluene	3.3	J	6.2	0.47	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
trans-1,2-Dichloroethene	6.2	U	6.2	0.64	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
trans-1,3-Dichloropropene	6.2	U	6.2	2.7	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Trichloroethene	6.2	U	6.2	1.4	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Trichlorofluoromethane	6.2	U	6.2	0.59	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Vinyl chloride	6.2	U	6.2	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Xylenes, Total	2.9	J	12	1.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:00	1
Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
column bleed	44	TJ	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 02:00	1
Unknown	8.4	TJ	ug/Kg	☼	11.40		08/07/21 12:30	08/10/21 02:00	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126				08/07/21 12:30	08/10/21 02:00	1
4-Bromofluorobenzene (Surr)	93		72 - 126				08/07/21 12:30	08/10/21 02:00	1
Dibromofluoromethane (Surr)	110		60 - 140				08/07/21 12:30	08/10/21 02:00	1
Toluene-d8 (Surr)	106		71 - 125				08/07/21 12:30	08/10/21 02:00	1

Client Sample ID: B-21-141 (8-9)(08062021)

Lab Sample ID: 480-188071-8

Date Collected: 08/06/21 10:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	5.3	U	5.3	0.38	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,1,2,2-Tetrachloroethane	5.3	U	5.3	0.86	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.3	U	5.3	1.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,1,2-Trichloroethane	5.3	U	5.3	0.69	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,1-Dichloroethane	5.3	U	5.3	0.64	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,1-Dichloroethene	5.3	U	5.3	0.65	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2,4-Trichlorobenzene	5.3	U	5.3	0.32	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2-Dibromo-3-Chloropropane	5.3	U	5.3	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2-Dibromoethane	5.3	U	5.3	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2-Dichlorobenzene	5.3	U	5.3	0.41	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2-Dichloroethane	5.3	U	5.3	0.26	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,2-Dichloropropane	5.3	U	5.3	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
1,3-Dichlorobenzene	5.3	U	5.3	0.27	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (8-9)(08062021)

Lab Sample ID: 480-188071-8

Date Collected: 08/06/21 10:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 79.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	5.3	U	5.3	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
2-Butanone (MEK)	6.9	J	26	1.9	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
2-Hexanone	26	U	26	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
4-Methyl-2-pentanone (MIBK)	26	U	26	1.7	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Acetone	40		26	4.4	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Benzene	5.3	U	5.3	0.26	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Bromodichloromethane	5.3	U	5.3	0.71	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Bromoform	5.3	U	5.3	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Bromomethane	5.3	U	5.3	0.47	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Carbon disulfide	5.3	U	5.3	2.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Carbon tetrachloride	5.3	U	5.3	0.51	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Chlorobenzene	5.3	U	5.3	0.70	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Chloroethane	5.3	U	5.3	1.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Chloroform	5.3	U	5.3	0.33	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Chloromethane	5.3	U	5.3	0.32	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
cis-1,2-Dichloroethene	5.3	U	5.3	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
cis-1,3-Dichloropropene	5.3	U	5.3	0.76	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Cyclohexane	5.3	U	5.3	0.74	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Dibromochloromethane	5.3	U	5.3	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Dichlorodifluoromethane	5.3	U	5.3	0.44	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Ethylbenzene	5.3	U	5.3	0.36	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Isopropylbenzene	5.3	U	5.3	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Methyl acetate	26	U	26	3.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Methyl tert-butyl ether	5.3	U	5.3	0.52	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Methylcyclohexane	1.3	J	5.3	0.80	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Methylene Chloride	5.3	U	5.3	2.4	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Styrene	5.3	U	5.3	0.26	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Tetrachloroethene	5.3	U	5.3	0.71	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Toluene	1.5	J	5.3	0.40	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
trans-1,2-Dichloroethene	5.3	U	5.3	0.54	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
trans-1,3-Dichloropropene	5.3	U	5.3	2.3	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Trichloroethene	5.3	U	5.3	1.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Trichlorofluoromethane	5.3	U	5.3	0.50	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Vinyl chloride	5.3	U	5.3	0.64	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1
Xylenes, Total	11	U	11	0.89	ug/Kg	☼	08/07/21 12:30	08/10/21 02:24	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	49	T J	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 02:24	1
Unknown	9.3	T J	ug/Kg	☼	11.41		08/07/21 12:30	08/10/21 02:24	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	107		64 - 126	08/07/21 12:30	08/10/21 02:24	1
4-Bromofluorobenzene (Surr)	93		72 - 126	08/07/21 12:30	08/10/21 02:24	1
Dibromofluoromethane (Surr)	107		60 - 140	08/07/21 12:30	08/10/21 02:24	1
Toluene-d8 (Surr)	106		71 - 125	08/07/21 12:30	08/10/21 02:24	1

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (13-14)(08062021)

Lab Sample ID: 480-188071-9

Date Collected: 08/06/21 10:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 80.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	4.5	U	4.5	0.33	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,1,2,2-Tetrachloroethane	4.5	U	4.5	0.73	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,1,2-Trichloroethane	4.5	U	4.5	0.58	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,1-Dichloroethane	4.5	U	4.5	0.55	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,1-Dichloroethene	4.5	U	4.5	0.55	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2,4-Trichlorobenzene	4.5	U	4.5	0.27	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2-Dibromo-3-Chloropropane	4.5	U	4.5	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2-Dibromoethane	4.5	U	4.5	0.58	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2-Dichlorobenzene	4.5	U	4.5	0.35	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2-Dichloroethane	4.5	U	4.5	0.22	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,2-Dichloropropane	4.5	U	4.5	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,3-Dichlorobenzene	4.5	U	4.5	0.23	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
1,4-Dichlorobenzene	4.5	U	4.5	0.63	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
2-Butanone (MEK)	3.3	J	22	1.6	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
2-Hexanone	22	U	22	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
4-Methyl-2-pentanone (MIBK)	22	U	22	1.5	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Acetone	25		22	3.8	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Benzene	4.5	U	4.5	0.22	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Bromodichloromethane	4.5	U	4.5	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Bromoform	4.5	U	4.5	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Bromomethane	4.5	U	4.5	0.40	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Carbon disulfide	4.5	U	4.5	2.2	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Carbon tetrachloride	4.5	U	4.5	0.43	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Chlorobenzene	4.5	U	4.5	0.59	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Chloroethane	4.5	U	4.5	1.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Chloroform	4.5	U	4.5	0.28	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Chloromethane	4.5	U	4.5	0.27	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
cis-1,2-Dichloroethene	4.5	U	4.5	0.57	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
cis-1,3-Dichloropropene	4.5	U	4.5	0.64	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Cyclohexane	4.5	U	4.5	0.63	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Dibromochloromethane	4.5	U	4.5	0.57	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Dichlorodifluoromethane	4.5	U	4.5	0.37	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Ethylbenzene	4.5	U	4.5	0.31	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Isopropylbenzene	4.5	U	4.5	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Methyl acetate	22	U	22	2.7	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Methyl tert-butyl ether	4.5	U	4.5	0.44	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Methylcyclohexane	4.5	U	4.5	0.68	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Methylene Chloride	4.5	U	4.5	2.1	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Styrene	4.5	U	4.5	0.22	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Tetrachloroethene	4.5	U	4.5	0.60	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Toluene	0.40	J	4.5	0.34	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
trans-1,2-Dichloroethene	4.5	U	4.5	0.46	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
trans-1,3-Dichloropropene	4.5	U	4.5	2.0	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Trichloroethene	4.5	U	4.5	0.99	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Trichlorofluoromethane	4.5	U	4.5	0.42	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Vinyl chloride	4.5	U	4.5	0.55	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1
Xylenes, Total	9.0	U	9.0	0.75	ug/Kg	☼	08/07/21 12:30	08/10/21 02:48	1

Client Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (13-14)(08062021)

Lab Sample ID: 480-188071-9

Date Collected: 08/06/21 10:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 80.3

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	42	T J	ug/Kg	☼	9.64		08/07/21 12:30	08/10/21 02:48	1
Unknown	5.8	T J	ug/Kg	☼	11.41		08/07/21 12:30	08/10/21 02:48	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	103		64 - 126				08/07/21 12:30	08/10/21 02:48	1
4-Bromofluorobenzene (Surr)	100		72 - 126				08/07/21 12:30	08/10/21 02:48	1
Dibromofluoromethane (Surr)	105		60 - 140				08/07/21 12:30	08/10/21 02:48	1
Toluene-d8 (Surr)	102		71 - 125				08/07/21 12:30	08/10/21 02:48	1

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
1,4-Dioxane	120	U	120	64	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,3,4,6-Tetrachlorophenol	200	U	200	41	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4,5-Trichlorophenol	200	U	200	54	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4,6-Trichlorophenol	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4-Dichlorophenol	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4-Dimethylphenol	200	U	200	48	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4-Dinitrophenol	1900	U	1900	920	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,4-Dinitrotoluene	200	U	200	41	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2,6-Dinitrotoluene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Chloronaphthalene	200	U	200	33	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Chlorophenol	390	U	390	36	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Methylnaphthalene	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Methylphenol	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Nitroaniline	390	U	390	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
2-Nitrophenol	200	U	200	56	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
3,3'-Dichlorobenzidine	390	U	390	230	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
3-Nitroaniline	390	U	390	55	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4,6-Dinitro-2-methylphenol	390	U	390	200	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Bromophenyl phenyl ether	200	U	200	28	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Chloro-3-methylphenol	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Chloroaniline	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Chlorophenyl phenyl ether	200	U	200	25	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Methylphenol	390	U	390	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Nitroaniline	390	U	390	100	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
4-Nitrophenol	390	U	390	140	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Acenaphthene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Acenaphthylene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Acetophenone	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Anthracene	200	U	200	49	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Atrazine	200	U	200	69	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Benzaldehyde	200	U T	200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Benzo[a]anthracene	200	U	200	20	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Benzo[a]pyrene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Benzo[b]fluoranthene	200	U	200	32	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Benzo[g,h,i]perylene	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Biphenyl	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
bis (2-chloroisopropyl) ether	200	U	200	40	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Bis(2-chloroethoxy)methane	200	U	200	42	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Bis(2-chloroethyl)ether	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Bis(2-ethylhexyl) phthalate	200	U	200	68	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Butyl benzyl phthalate	200	U	200	33	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Caprolactam	200	U	200	60	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Carbazole	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Chrysene	200	U	200	44	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Dibenz(a,h)anthracene	200	U	200	35	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Dibenzofuran	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Diethyl phthalate	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Dimethyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Di-n-butyl phthalate	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Di-n-octyl phthalate	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Fluoranthene	200	U	200	21	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Fluorene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Hexachlorobenzene	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Hexachlorobutadiene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Hexachlorocyclopentadiene	200	U	200	27	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Hexachloroethane	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Indeno[1,2,3-cd]pyrene	200	U	200	25	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Isophorone	200	U	200	42	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Naphthalene	200	U	200	26	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Nitrobenzene	200	U	200	22	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
N-Nitrosodi-n-propylamine	200	U	200	34	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
N-Nitrosodiphenylamine	200	U	200	160	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Pentachlorophenol	390	U	390	200	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Phenanthrene	200	U	200	29	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Phenol	200	U	200	30	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1
Pyrene	200	U	200	23	ug/Kg	☼	08/09/21 15:03	08/10/21 18:45	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	720	T J	ug/Kg	☼	1.88		08/09/21 15:03	08/10/21 18:45	1
Unknown	480	T J	ug/Kg	☼	3.27		08/09/21 15:03	08/10/21 18:45	1
Dibenzylidene 4,4'-biphenylenediamine	1800	T J N	ug/Kg	☼	13.97	6311-48-4	08/09/21 15:03	08/10/21 18:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol (Surr)	92		54 - 120	08/09/21 15:03	08/10/21 18:45	1
2-Fluorobiphenyl (Surr)	76		60 - 120	08/09/21 15:03	08/10/21 18:45	1
2-Fluorophenol (Surr)	68		52 - 120	08/09/21 15:03	08/10/21 18:45	1
Nitrobenzene-d5 (Surr)	75		53 - 120	08/09/21 15:03	08/10/21 18:45	1
Phenol-d5 (Surr)	73		54 - 120	08/09/21 15:03	08/10/21 18:45	1
p-Terphenyl-d14 (Surr)	96		79 - 130	08/09/21 15:03	08/10/21 18:45	1

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	1.9	U	1.9	0.37	ug/Kg	☼	08/10/21 07:20	08/11/21 14:46	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	1.9	U	1.9	0.40	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
4,4'-DDT	1.9	U	1.9	0.45	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Aldrin	1.9	U	1.9	0.47	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
alpha-BHC	1.9	U	1.9	0.35	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
beta-BHC	0.91	J	1.9	0.35	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
cis-Chlordane	1.9	U	1.9	0.96	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
delta-BHC	0.64	J	1.9	0.36	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Dieldrin	1.9	U	1.9	0.46	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endosulfan I	1.9	U	1.9	0.37	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endosulfan II	1.9	U	1.9	0.35	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endosulfan sulfate	0.43	J	1.9	0.36	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endrin	1.9	U	1.9	0.38	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endrin aldehyde	2.0		1.9	0.49	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Endrin ketone	0.93	J	1.9	0.47	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
gamma-BHC (Lindane)	0.89	J B	1.9	0.35	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Heptachlor	1.9	U	1.9	0.42	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Heptachlor epoxide	1.9	U	1.9	0.50	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Methoxychlor	1.9	U	1.9	0.39	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Toxaphene	19	U	19	11	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
trans-Chlordane	0.92	J	1.9	0.61	ug/Kg	✱	08/10/21 07:20	08/11/21 14:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		45 - 120				08/10/21 07:20	08/11/21 14:46	1
DCB Decachlorobiphenyl	111		45 - 120				08/10/21 07:20	08/11/21 14:46	1
Tetrachloro-m-xylene	101		30 - 124				08/10/21 07:20	08/11/21 14:46	1
Tetrachloro-m-xylene	115		30 - 124				08/10/21 07:20	08/11/21 14:46	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.26	U	0.26	0.051	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1221	0.26	U	0.26	0.051	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1232	0.26	U	0.26	0.051	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1242	0.26	U	0.26	0.051	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1248	0.26	U	0.26	0.051	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1254	0.26	U	0.26	0.12	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
PCB-1260	0.26	U	0.26	0.12	mg/Kg	✱	08/10/21 15:07	08/11/21 18:50	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	115		60 - 154				08/10/21 15:07	08/11/21 18:50	1
Tetrachloro-m-xylene	123		60 - 154				08/10/21 15:07	08/11/21 18:50	1
DCB Decachlorobiphenyl	102		65 - 174				08/10/21 15:07	08/11/21 18:50	1
DCB Decachlorobiphenyl	115		65 - 174				08/10/21 15:07	08/11/21 18:50	1

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	19	U	19	12	ug/Kg	✱	08/12/21 08:43	08/17/21 04:37	1
Silvex (2,4,5-TP)	19	U	19	7.0	ug/Kg	✱	08/12/21 08:43	08/17/21 04:37	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	63		28 - 129				08/12/21 08:43	08/17/21 04:37	1
2,4-Dichlorophenylacetic acid	64		28 - 129				08/12/21 08:43	08/17/21 04:37	1

Eurofins TestAmerica, Buffalo

Client Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.8

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7910		12.1	5.3	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Antimony	18.1	U	18.1	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Arsenic	5.5		2.4	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Barium	42.1		0.60	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Beryllium	0.50		0.24	0.034	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Cadmium	0.24	U	0.24	0.036	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Calcium	102000	B	60.3	4.0	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Chromium	10.4		0.60	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Cobalt	6.1		0.60	0.060	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Copper	10.4		1.2	0.25	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Iron	14600		12.1	4.2	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Lead	25.5		1.2	0.29	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Magnesium	6590	B	24.1	1.1	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Manganese	399	B	0.24	0.039	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Nickel	12.3		6.0	0.28	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Potassium	2580		36.2	24.1	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Selenium	0.49	J	4.8	0.48	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Silver	0.72	U	0.72	0.24	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Sodium	224		169	15.7	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Thallium	7.2	U	7.2	0.36	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Vanadium	14.7		0.60	0.13	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1
Zinc	18.5		2.4	0.77	mg/Kg	☼	08/08/21 20:13	08/10/21 03:05	1

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.028	U	0.028	0.0065	mg/Kg	☼	08/17/21 14:40	08/17/21 17:08	1

Surrogate Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCA (64-126)	BFB (72-126)	DBFM (60-140)	TOL (71-125)
480-188071-1	B-21-142 (1-2)(08062021)	106	97	109	104
480-188071-3	B-21-142 (8-9)(08062021)	111	75 TL	115	133 TL
480-188071-4	B-21-142 (11-12)(08062021)	112	65 TL	122	145 TL
480-188071-7	B-21-141 (2-3)(08062021)	107	93	110	106
480-188071-8	B-21-141 (8-9)(08062021)	107	93	107	106
480-188071-9	B-21-141 (13-14)(08062021)	103	100	105	102
LCS 480-592250/1-A	Lab Control Sample	100	101	100	99
LCS 480-592433/1-A	Lab Control Sample	101	102	100	97
MB 480-592250/2-A	Method Blank	100	105	103	99
MB 480-592433/2-A	Method Blank	99	106	107	100

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)					
		TBP (54-120)	FBP (60-120)	2FP (52-120)	NBZ (53-120)	PHL (54-120)	TPHd14 (79-130)
480-188071-2	B-21-142 (4-5)(08062021)	115	92	83	84	80	108
480-188071-5	B-21-142 (13-14)(08062021)	115	91	81	89	87	112
480-188071-6	B-21-141 (1-2)(08062021)	103	91	74	86	80	112
480-188071-10	B-21-141 (15-16)(08062021)	92	76	68	75	73	96
480-188071-10 MS	B-21-141 (15-16)(08062021)	125 TH	92	77	89	81	116
480-188071-10 MSD	B-21-141 (15-16)(08062021)	119	84	68	80	73	105
LCS 480-592214/2-A	Lab Control Sample	127 TH	91	75	90	81	110
MB 480-592214/1-A	Method Blank	104	83	73	82	77	101

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl (Surr)
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
480-188071-2	B-21-142 (4-5)(08062021)	95	158 TH	88	118
480-188071-5	B-21-142 (13-14)(08062021)	80	114	94	99
480-188071-6	B-21-141 (1-2)(08062021)	79	100	85	93
480-188071-10	B-21-141 (15-16)(08062021)	87	111	101	115

Eurofins TestAmerica, Buffalo

Surrogate Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		DCBP1 (45-120)	DCBP2 (45-120)	TCX1 (30-124)	TCX2 (30-124)
LCS 480-592259/2-A	Lab Control Sample	82	108	75	88
MB 480-592259/1-A	Method Blank	78	100	75	79

Surrogate Legend
 DCBP = DCB Decachlorobiphenyl
 TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)			
		TCX1 (60-154)	TCX2 (60-154)	DCBP1 (65-174)	DCBP2 (65-174)
480-188071-2	B-21-142 (4-5)(08062021)	103	110	93	102
480-188071-5	B-21-142 (13-14)(08062021)	104	110	93	104
480-188071-6	B-21-141 (1-2)(08062021)	109	119	100	112
480-188071-10	B-21-141 (15-16)(08062021)	115	123	102	115
LCS 480-592384/2-A	Lab Control Sample	134	148	129	145
MB 480-592384/1-A	Method Blank	96	110	94	105

Surrogate Legend
 TCX = Tetrachloro-m-xylene
 DCBP = DCB Decachlorobiphenyl

Method: 8151A - Herbicides (GC)

Matrix: Solid

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)	
		DCPAA1 (28-129)	DCPAA2 (28-129)
480-188071-2	B-21-142 (4-5)(08062021)	32	90
480-188071-5	B-21-142 (13-14)(08062021)	73	75
480-188071-6	B-21-141 (1-2)(08062021)	62	65
480-188071-10	B-21-141 (15-16)(08062021)	63	64
LCS 480-592643/2-A	Lab Control Sample	74	78
MB 480-592643/1-A	Method Blank	71	74

Surrogate Legend
 DCPAA = 2,4-Dichlorophenylacetic acid

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-592250/2-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592250

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Acetone	25	U	25	4.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloroform	0.325	J	5.0	0.31	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/09/21 18:45	08/09/21 20:16	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/09/21 18:45	08/09/21 20:16	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592250/2-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592250

Tentatively Identified Compound	MB MB		Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/09/21 18:45	08/09/21 20:16	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	100		64 - 126	08/09/21 18:45	08/09/21 20:16	1
4-Bromofluorobenzene (Surr)	105		72 - 126	08/09/21 18:45	08/09/21 20:16	1
Dibromofluoromethane (Surr)	103		60 - 140	08/09/21 18:45	08/09/21 20:16	1
Toluene-d8 (Surr)	99		71 - 125	08/09/21 18:45	08/09/21 20:16	1

Lab Sample ID: LCS 480-592250/1-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1,2-Tetrachloroethane	50.0	47.4		ug/Kg		95	80 - 120
1,1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	49.1		ug/Kg		98	60 - 140
1,1,2-Trichloroethane	50.0	47.2		ug/Kg		94	78 - 122
1,1-Dichloroethane	50.0	49.7		ug/Kg		99	73 - 126
1,1-Dichloroethene	50.0	50.3		ug/Kg		101	59 - 125
1,2,4-Trichlorobenzene	50.0	48.6		ug/Kg		97	64 - 120
1,2-Dibromo-3-Chloropropane	50.0	46.1		ug/Kg		92	63 - 124
1,2-Dibromoethane	50.0	48.7		ug/Kg		97	78 - 120
1,2-Dichlorobenzene	50.0	49.2		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.8		ug/Kg		100	75 - 124
1,3-Dichlorobenzene	50.0	50.0		ug/Kg		100	74 - 120
1,4-Dichlorobenzene	50.0	49.9		ug/Kg		100	73 - 120
2-Butanone (MEK)	250	230		ug/Kg		92	70 - 134
2-Hexanone	250	237		ug/Kg		95	59 - 130
4-Methyl-2-pentanone (MIBK)	250	217		ug/Kg		87	65 - 133
Acetone	250	230		ug/Kg		92	61 - 137
Benzene	50.0	50.9		ug/Kg		102	79 - 127
Bromodichloromethane	50.0	51.2		ug/Kg		102	80 - 122
Bromoform	50.0	51.6		ug/Kg		103	68 - 126
Bromomethane	50.0	53.8		ug/Kg		108	37 - 149
Carbon disulfide	50.0	50.5		ug/Kg		101	64 - 131
Carbon tetrachloride	50.0	51.1		ug/Kg		102	75 - 135
Chlorobenzene	50.0	51.3		ug/Kg		103	76 - 124
Chloroethane	50.0	52.2		ug/Kg		104	69 - 135
Chloroform	50.0	48.7		ug/Kg		97	80 - 120
Chloromethane	50.0	48.3		ug/Kg		97	63 - 127
cis-1,2-Dichloroethene	50.0	50.7		ug/Kg		101	81 - 120
cis-1,3-Dichloropropene	50.0	51.8		ug/Kg		104	80 - 120
Cyclohexane	50.0	46.5		ug/Kg		93	65 - 120
Dibromochloromethane	50.0	51.9		ug/Kg		104	76 - 125
Dichlorodifluoromethane	50.0	49.9		ug/Kg		100	57 - 142
Ethylbenzene	50.0	50.4		ug/Kg		101	80 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592250/1-A

Matrix: Solid

Analysis Batch: 592236

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592250

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isopropylbenzene	50.0	50.0		ug/Kg		100	72 - 120
Methyl acetate	100	86.9		ug/Kg		87	55 - 136
Methyl tert-butyl ether	50.0	46.8		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	49.1		ug/Kg		98	60 - 140
Methylene Chloride	50.0	49.4		ug/Kg		99	61 - 127
Styrene	50.0	50.2		ug/Kg		100	80 - 120
Tetrachloroethene	50.0	51.3		ug/Kg		103	74 - 122
Toluene	50.0	50.8		ug/Kg		102	74 - 128
trans-1,2-Dichloroethene	50.0	50.9		ug/Kg		102	78 - 126
Trichloroethene	50.0	51.2		ug/Kg		102	77 - 129
Trichlorofluoromethane	50.0	50.2		ug/Kg		100	65 - 146
Vinyl chloride	50.0	51.2		ug/Kg		102	61 - 133
Xylenes, Total	100	100		ug/Kg		100	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	100		64 - 126
4-Bromofluorobenzene (Surr)	101		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	99		71 - 125

Lab Sample ID: MB 480-592433/2-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592433

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	5.0	U	5.0	0.36	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2,2-Tetrachloroethane	5.0	U	5.0	0.81	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1,2-Trichloroethane	5.0	U	5.0	0.65	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethane	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,1-Dichloroethene	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2,4-Trichlorobenzene	5.0	U	5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dibromoethane	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichlorobenzene	5.0	U	5.0	0.39	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloroethane	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,2-Dichloropropane	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,3-Dichlorobenzene	5.0	U	5.0	0.26	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
1,4-Dichlorobenzene	5.0	U	5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Butanone (MEK)	25	U	25	1.8	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
2-Hexanone	25	U	25	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
4-Methyl-2-pentanone (MIBK)	25	U	25	1.6	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Acetone	25	U	25	4.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Benzene	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromodichloromethane	5.0	U	5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromoform	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Bromomethane	5.0	U	5.0	0.45	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Carbon disulfide	5.0	U	5.0	2.5	ug/Kg		08/10/21 19:20	08/10/21 20:11	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-592433/2-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592433

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Carbon tetrachloride	5.0	U	5.0	0.48	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chlorobenzene	5.0	U	5.0	0.66	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroethane	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloroform	5.0	U	5.0	0.31	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Chloromethane	5.0	U	5.0	0.30	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,2-Dichloroethene	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
cis-1,3-Dichloropropene	5.0	U	5.0	0.72	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Cyclohexane	5.0	U	5.0	0.70	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dibromochloromethane	5.0	U	5.0	0.64	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Dichlorodifluoromethane	5.0	U	5.0	0.41	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Ethylbenzene	5.0	U	5.0	0.35	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Isopropylbenzene	5.0	U	5.0	0.75	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl acetate	25	U	25	3.0	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methyl tert-butyl ether	5.0	U	5.0	0.49	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylcyclohexane	5.0	U	5.0	0.76	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Methylene Chloride	5.0	U	5.0	2.3	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Styrene	5.0	U	5.0	0.25	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Tetrachloroethene	5.0	U	5.0	0.67	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Toluene	5.0	U	5.0	0.38	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,2-Dichloroethene	5.0	U	5.0	0.52	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
trans-1,3-Dichloropropene	5.0	U	5.0	2.2	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichloroethene	5.0	U	5.0	1.1	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Trichlorofluoromethane	5.0	U	5.0	0.47	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Vinyl chloride	5.0	U	5.0	0.61	ug/Kg		08/10/21 19:20	08/10/21 20:11	1
Xylenes, Total	10	U	10	0.84	ug/Kg		08/10/21 19:20	08/10/21 20:11	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Tentatively Identified Compound	None		ug/Kg				08/10/21 19:20	08/10/21 20:11	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	99		64 - 126	08/10/21 19:20	08/10/21 20:11	1
4-Bromofluorobenzene (Surr)	106		72 - 126	08/10/21 19:20	08/10/21 20:11	1
Dibromofluoromethane (Surr)	107		60 - 140	08/10/21 19:20	08/10/21 20:11	1
Toluene-d8 (Surr)	100		71 - 125	08/10/21 19:20	08/10/21 20:11	1

Lab Sample ID: LCS 480-592433/1-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592433

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,1,1-Trichloroethane	50.0	49.0		ug/Kg		98	77 - 121
1,1,2,2-Tetrachloroethane	50.0	47.8		ug/Kg		96	80 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	47.4		ug/Kg		95	60 - 140
1,1,2-Trichloroethane	50.0	47.9		ug/Kg		96	78 - 122
1,1-Dichloroethane	50.0	48.6		ug/Kg		97	73 - 126
1,1-Dichloroethene	50.0	48.5		ug/Kg		97	59 - 125
1,2,4-Trichlorobenzene	50.0	49.8		ug/Kg		100	64 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-592433/1-A

Matrix: Solid

Analysis Batch: 592414

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592433

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
1,2-Dibromo-3-Chloropropane	50.0	46.6		ug/Kg		93	63 - 124
1,2-Dibromoethane	50.0	49.1		ug/Kg		98	78 - 120
1,2-Dichlorobenzene	50.0	48.9		ug/Kg		98	75 - 120
1,2-Dichloroethane	50.0	46.2		ug/Kg		92	77 - 122
1,2-Dichloropropane	50.0	49.6		ug/Kg		99	75 - 124
1,3-Dichlorobenzene	50.0	50.3		ug/Kg		101	74 - 120
1,4-Dichlorobenzene	50.0	49.5		ug/Kg		99	73 - 120
2-Butanone (MEK)	250	227		ug/Kg		91	70 - 134
2-Hexanone	250	232		ug/Kg		93	59 - 130
4-Methyl-2-pentanone (MIBK)	250	216		ug/Kg		86	65 - 133
Acetone	250	234		ug/Kg		93	61 - 137
Benzene	50.0	50.4		ug/Kg		101	79 - 127
Bromodichloromethane	50.0	50.0		ug/Kg		100	80 - 122
Bromoform	50.0	49.8		ug/Kg		100	68 - 126
Bromomethane	50.0	53.6		ug/Kg		107	37 - 149
Carbon disulfide	50.0	50.2		ug/Kg		100	64 - 131
Carbon tetrachloride	50.0	50.5		ug/Kg		101	75 - 135
Chlorobenzene	50.0	49.6		ug/Kg		99	76 - 124
Chloroethane	50.0	51.1		ug/Kg		102	69 - 135
Chloroform	50.0	48.3		ug/Kg		97	80 - 120
Chloromethane	50.0	46.1		ug/Kg		92	63 - 127
cis-1,2-Dichloroethene	50.0	48.2		ug/Kg		96	81 - 120
cis-1,3-Dichloropropene	50.0	51.7		ug/Kg		103	80 - 120
Cyclohexane	50.0	43.5		ug/Kg		87	65 - 120
Dibromochloromethane	50.0	50.9		ug/Kg		102	76 - 125
Dichlorodifluoromethane	50.0	47.6		ug/Kg		95	57 - 142
Ethylbenzene	50.0	48.9		ug/Kg		98	80 - 120
Isopropylbenzene	50.0	49.1		ug/Kg		98	72 - 120
Methyl acetate	100	85.7		ug/Kg		86	55 - 136
Methyl tert-butyl ether	50.0	46.9		ug/Kg		94	63 - 125
Methylcyclohexane	50.0	47.5		ug/Kg		95	60 - 140
Methylene Chloride	50.0	51.9		ug/Kg		104	61 - 127
Styrene	50.0	49.6		ug/Kg		99	80 - 120
Tetrachloroethene	50.0	49.7		ug/Kg		99	74 - 122
Toluene	50.0	48.9		ug/Kg		98	74 - 128
trans-1,2-Dichloroethene	50.0	51.0		ug/Kg		102	78 - 126
Trichloroethene	50.0	49.4		ug/Kg		99	77 - 129
Trichlorofluoromethane	50.0	48.5		ug/Kg		97	65 - 146
Vinyl chloride	50.0	48.5		ug/Kg		97	61 - 133
Xylenes, Total	100	98.5		ug/Kg		99	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	101		64 - 126
4-Bromofluorobenzene (Surr)	102		72 - 126
Dibromofluoromethane (Surr)	100		60 - 140
Toluene-d8 (Surr)	97		71 - 125

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-592214/1-A

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592214

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,4,5-Tetrachlorobenzene	170	U	170	28	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
1,4-Dioxane	98	U	98	54	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,3,4,6-Tetrachlorophenol	170	U	170	34	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4,5-Trichlorophenol	170	U	170	45	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4,6-Trichlorophenol	170	U	170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dichlorophenol	170	U	170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dimethylphenol	170	U	170	40	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dinitrophenol	1600	U	1600	760	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,4-Dinitrotoluene	170	U	170	34	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2,6-Dinitrotoluene	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Chloronaphthalene	170	U	170	27	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Chlorophenol	320	U	320	30	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Methylnaphthalene	170	U	170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Methylphenol	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Nitroaniline	320	U	320	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
2-Nitrophenol	170	U	170	47	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
3,3'-Dichlorobenzidine	320	U	320	200	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
3-Nitroaniline	320	U	320	46	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4,6-Dinitro-2-methylphenol	320	U	320	170	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Bromophenyl phenyl ether	170	U	170	23	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chloro-3-methylphenol	170	U	170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chloroaniline	170	U	170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Chlorophenyl phenyl ether	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Methylphenol	320	U	320	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Nitroaniline	320	U	320	87	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
4-Nitrophenol	320	U	320	120	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Acenaphthene	170	U	170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Acenaphthylene	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Acetophenone	170	U	170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Anthracene	170	U	170	41	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Atrazine	170	U	170	58	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzaldehyde	170	U	170	130	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[a]anthracene	170	U	170	17	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[a]pyrene	170	U	170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[b]fluoranthene	170	U	170	26	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[g,h,i]perylene	170	U	170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Benzo[k]fluoranthene	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Biphenyl	170	U	170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
bis (2-chloroisopropyl) ether	170	U	170	33	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-chloroethoxy)methane	170	U	170	35	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-chloroethyl)ether	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Bis(2-ethylhexyl) phthalate	170	U	170	57	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Butyl benzyl phthalate	170	U	170	27	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Caprolactam	170	U	170	50	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Carbazole	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Chrysene	170	U	170	37	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dibenz(a,h)anthracene	170	U	170	29	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dibenzofuran	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-592214/1-A

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592214

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Diethyl phthalate	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Dimethyl phthalate	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Di-n-butyl phthalate	170	U	170	28	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Di-n-octyl phthalate	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Fluoranthene	170	U	170	18	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Fluorene	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorobenzene	170	U	170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorobutadiene	170	U	170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachlorocyclopentadiene	170	U	170	22	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Hexachloroethane	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Indeno[1,2,3-cd]pyrene	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Isophorone	170	U	170	35	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Naphthalene	170	U	170	21	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Nitrobenzene	170	U	170	19	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
N-Nitrosodi-n-propylamine	170	U	170	28	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
N-Nitrosodiphenylamine	170	U	170	130	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Pentachlorophenol	320	U	320	170	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Phenanthrene	170	U	170	24	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Phenol	170	U	170	25	ug/Kg		08/09/21 15:03	08/10/21 17:08	1
Pyrene	170	U	170	20	ug/Kg		08/09/21 15:03	08/10/21 17:08	1

Tentatively Identified Compound	MB	MB	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
	Est. Result	Qualifier							
Unknown	2630	T J	ug/Kg		1.90		08/09/21 15:03	08/10/21 17:08	1
Unknown	547	T J	ug/Kg		3.27		08/09/21 15:03	08/10/21 17:08	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
2,4,6-Tribromophenol (Surr)	104		54 - 120	08/09/21 15:03	08/10/21 17:08	1
2-Fluorobiphenyl (Surr)	83		60 - 120	08/09/21 15:03	08/10/21 17:08	1
2-Fluorophenol (Surr)	73		52 - 120	08/09/21 15:03	08/10/21 17:08	1
Nitrobenzene-d5 (Surr)	82		53 - 120	08/09/21 15:03	08/10/21 17:08	1
Phenol-d5 (Surr)	77		54 - 120	08/09/21 15:03	08/10/21 17:08	1
p-Terphenyl-d14 (Surr)	101		79 - 130	08/09/21 15:03	08/10/21 17:08	1

Lab Sample ID: LCS 480-592214/2-A

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592214

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
1,2,4,5-Tetrachlorobenzene	1660	1590		ug/Kg		96	59 - 125
1,4-Dioxane	1660	645		ug/Kg		39	23 - 120
2,3,4,6-Tetrachlorophenol	1660	1700		ug/Kg		102	64 - 120
2,4,5-Trichlorophenol	1660	1650		ug/Kg		99	59 - 126
2,4,6-Trichlorophenol	1660	1630		ug/Kg		98	59 - 123
2,4-Dichlorophenol	1660	1570		ug/Kg		95	61 - 120
2,4-Dimethylphenol	1660	1620		ug/Kg		97	59 - 120
2,4-Dinitrophenol	3320	3190		ug/Kg		96	41 - 146
2,4-Dinitrotoluene	1660	1610		ug/Kg		97	63 - 120
2,6-Dinitrotoluene	1660	1580		ug/Kg		95	66 - 120

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592214/2-A

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592214

Analyte	Spike	LCS	LCS	Unit	D	%Rec	%Rec. Limits
	Added	Result	Qualifier				
2-Chloronaphthalene	1660	1440		ug/Kg		87	57 - 120
2-Chlorophenol	1660	1360		ug/Kg		82	53 - 120
2-Methylnaphthalene	1660	1440		ug/Kg		87	59 - 120
2-Methylphenol	1660	1370		ug/Kg		82	54 - 120
2-Nitroaniline	1660	1620		ug/Kg		98	61 - 120
2-Nitrophenol	1660	1480		ug/Kg		89	56 - 120
3,3'-Dichlorobenzidine	3320	3140		ug/Kg		95	54 - 120
3-Nitroaniline	1660	1270		ug/Kg		76	48 - 120
4,6-Dinitro-2-methylphenol	3320	3390		ug/Kg		102	49 - 122
4-Bromophenyl phenyl ether	1660	1950		ug/Kg		117	58 - 120
4-Chloro-3-methylphenol	1660	1700		ug/Kg		102	61 - 120
4-Chloroaniline	1660	1340		ug/Kg		81	38 - 120
4-Chlorophenyl phenyl ether	1660	1620		ug/Kg		98	63 - 124
4-Methylphenol	1660	1390		ug/Kg		84	55 - 120
4-Nitroaniline	1660	1470		ug/Kg		88	56 - 120
4-Nitrophenol	3320	4010		ug/Kg		121	43 - 147
Acenaphthene	1660	1470		ug/Kg		89	62 - 120
Acenaphthylene	1660	1600		ug/Kg		97	58 - 121
Acetophenone	1660	1450		ug/Kg		87	54 - 120
Anthracene	1660	1670		ug/Kg		101	62 - 120
Atrazine	3320	3290		ug/Kg		99	60 - 127
Benzaldehyde	3320	2690	E	ug/Kg		81	10 - 150
Benzo[a]anthracene	1660	1650		ug/Kg		99	65 - 120
Benzo[a]pyrene	1660	1660		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1660	1750		ug/Kg		105	64 - 120
Benzo[g,h,i]perylene	1660	1650		ug/Kg		99	45 - 145
Benzo[k]fluoranthene	1660	1680		ug/Kg		101	65 - 120
Biphenyl	1660	1430		ug/Kg		86	59 - 120
bis (2-chloroisopropyl) ether	1660	984		ug/Kg		59	44 - 120
Bis(2-chloroethoxy)methane	1660	1410		ug/Kg		85	55 - 120
Bis(2-chloroethyl)ether	1660	1240		ug/Kg		74	45 - 120
Bis(2-ethylhexyl) phthalate	1660	1780		ug/Kg		107	61 - 133
Butyl benzyl phthalate	1660	1700		ug/Kg		102	61 - 129
Caprolactam	3320	2990		ug/Kg		90	47 - 120
Carbazole	1660	1640		ug/Kg		99	65 - 120
Chrysene	1660	1630		ug/Kg		98	64 - 120
Dibenz(a,h)anthracene	1660	1740		ug/Kg		105	54 - 132
Dibenzofuran	1660	1520		ug/Kg		92	63 - 120
Diethyl phthalate	1660	1730		ug/Kg		104	66 - 120
Dimethyl phthalate	1660	1650		ug/Kg		99	65 - 124
Di-n-butyl phthalate	1660	1810		ug/Kg		109	58 - 130
Di-n-octyl phthalate	1660	1630		ug/Kg		98	57 - 133
Fluoranthene	1660	1690		ug/Kg		102	62 - 120
Fluorene	1660	1530		ug/Kg		92	63 - 120
Hexachlorobenzene	1660	2000		ug/Kg		120	60 - 120
Hexachlorobutadiene	1660	1710		ug/Kg		103	45 - 120
Hexachlorocyclopentadiene	1660	1580		ug/Kg		95	47 - 120
Hexachloroethane	1660	1350		ug/Kg		81	41 - 120
Indeno[1,2,3-cd]pyrene	1660	1650		ug/Kg		99	56 - 134

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QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-592214/2-A

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Isophorone	1660	1530		ug/Kg		92	56 - 120
Naphthalene	1660	1410		ug/Kg		85	55 - 120
Nitrobenzene	1660	1400		ug/Kg		84	54 - 120
N-Nitrosodi-n-propylamine	1660	1400		ug/Kg		84	52 - 120
N-Nitrosodiphenylamine	1660	1670		ug/Kg		101	51 - 128
Pentachlorophenol	3320	3670		ug/Kg		111	51 - 120
Phenanthrene	1660	1620		ug/Kg		98	60 - 120
Phenol	1660	1280		ug/Kg		77	53 - 120
Pyrene	1660	1680		ug/Kg		101	61 - 133

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	127	TH	54 - 120
2-Fluorobiphenyl (Surr)	91		60 - 120
2-Fluorophenol (Surr)	75		52 - 120
Nitrobenzene-d5 (Surr)	90		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	110		79 - 130

Lab Sample ID: 480-188071-10 MS

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: B-21-141 (15-16)(08062021)

Prep Type: Total/NA

Prep Batch: 592214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	200	U	1940	1870		ug/Kg	☼	97	59 - 120
1,4-Dioxane	120	U	1940	832		ug/Kg	☼	43	13 - 120
2,3,4,6-Tetrachlorophenol	200	U	1940	1880		ug/Kg	☼	97	50 - 150
2,4,5-Trichlorophenol	200	U	1940	1820		ug/Kg	☼	94	46 - 120
2,4,6-Trichlorophenol	200	U	1940	1830		ug/Kg	☼	95	41 - 123
2,4-Dichlorophenol	200	U	1940	1800		ug/Kg	☼	93	45 - 120
2,4-Dimethylphenol	200	U	1940	1900		ug/Kg	☼	98	52 - 120
2,4-Dinitrophenol	1900	U	3870	2440		ug/Kg	☼	63	41 - 146
2,4-Dinitrotoluene	200	U	1940	1820		ug/Kg	☼	94	63 - 125
2,6-Dinitrotoluene	200	U	1940	1800		ug/Kg	☼	93	66 - 120
2-Chloronaphthalene	200	U	1940	1700		ug/Kg	☼	88	57 - 120
2-Chlorophenol	390	U	1940	1580		ug/Kg	☼	81	43 - 120
2-Methylnaphthalene	200	U	1940	1660		ug/Kg	☼	86	55 - 120
2-Methylphenol	200	U	1940	1600		ug/Kg	☼	83	48 - 120
2-Nitroaniline	390	U	1940	1800		ug/Kg	☼	93	61 - 120
2-Nitrophenol	200	U	1940	1680		ug/Kg	☼	87	37 - 120
3,3'-Dichlorobenzidine	390	U	3870	3470		ug/Kg	☼	90	37 - 126
3-Nitroaniline	390	U	1940	1520		ug/Kg	☼	79	48 - 120
4,6-Dinitro-2-methylphenol	390	U	3870	3400		ug/Kg	☼	88	23 - 149
4-Bromophenyl phenyl ether	200	U	1940	2120		ug/Kg	☼	109	58 - 120
4-Chloro-3-methylphenol	200	U	1940	1910		ug/Kg	☼	99	49 - 125
4-Chloroaniline	200	U	1940	1560		ug/Kg	☼	80	38 - 120
4-Chlorophenyl phenyl ether	200	U	1940	1810		ug/Kg	☼	94	63 - 124
4-Methylphenol	390	U	1940	1580		ug/Kg	☼	81	50 - 120
4-Nitroaniline	390	U	1940	1540		ug/Kg	☼	79	47 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188071-10 MS

Client Sample ID: B-21-141 (15-16)(08062021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592372

Prep Batch: 592214

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec. Limits
	Result	Qualifier	Added	Result	Qualifier				
4-Nitrophenol	390	U	3870	4310		ug/Kg	*	111	31 - 147
Acenaphthene	200	U	1940	1660		ug/Kg	*	86	60 - 120
Acenaphthylene	200	U	1940	1830		ug/Kg	*	94	58 - 121
Acetophenone	200	U	1940	1690		ug/Kg	*	87	47 - 120
Anthracene	200	U	1940	1830		ug/Kg	*	95	62 - 120
Atrazine	200	U	3870	3800		ug/Kg	*	98	60 - 150
Benzaldehyde	200	U T	3870	3550	E	ug/Kg	*	92	10 - 150
Benzo[a]anthracene	200	U	1940	1800		ug/Kg	*	93	65 - 120
Benzo[a]pyrene	200	U	1940	1800		ug/Kg	*	93	64 - 120
Benzo[b]fluoranthene	200	U	1940	1930		ug/Kg	*	100	10 - 150
Benzo[g,h,i]perylene	200	U	1940	1770		ug/Kg	*	92	45 - 145
Benzo[k]fluoranthene	200	U	1940	1830		ug/Kg	*	94	23 - 150
Biphenyl	200	U	1940	1710		ug/Kg	*	88	58 - 120
bis (2-chloroisopropyl) ether	200	U	1940	1150		ug/Kg	*	60	31 - 120
Bis(2-chloroethoxy)methane	200	U	1940	1600		ug/Kg	*	83	52 - 120
Bis(2-chloroethyl)ether	200	U	1940	1440		ug/Kg	*	74	45 - 120
Bis(2-ethylhexyl) phthalate	200	U	1940	1980		ug/Kg	*	102	61 - 133
Butyl benzyl phthalate	200	U	1940	1990		ug/Kg	*	103	61 - 120
Caprolactam	200	U	3870	2470		ug/Kg	*	64	37 - 133
Carbazole	200	U	1940	1710		ug/Kg	*	88	59 - 120
Chrysene	200	U	1940	1830		ug/Kg	*	94	64 - 120
Dibenz(a,h)anthracene	200	U	1940	1900		ug/Kg	*	98	54 - 132
Dibenzofuran	200	U	1940	1720		ug/Kg	*	89	62 - 120
Diethyl phthalate	200	U	1940	1940		ug/Kg	*	100	66 - 120
Dimethyl phthalate	200	U	1940	1850		ug/Kg	*	95	65 - 124
Di-n-butyl phthalate	200	U	1940	1950		ug/Kg	*	101	58 - 130
Di-n-octyl phthalate	200	U	1940	1730		ug/Kg	*	90	57 - 133
Fluoranthene	200	U	1940	1710		ug/Kg	*	88	62 - 120
Fluorene	200	U	1940	1760		ug/Kg	*	91	63 - 120
Hexachlorobenzene	200	U	1940	2190		ug/Kg	*	113	60 - 120
Hexachlorobutadiene	200	U	1940	1920		ug/Kg	*	99	45 - 120
Hexachlorocyclopentadiene	200	U	1940	1860		ug/Kg	*	96	31 - 120
Hexachloroethane	200	U	1940	1550		ug/Kg	*	80	21 - 120
Indeno[1,2,3-cd]pyrene	200	U	1940	1800		ug/Kg	*	93	56 - 134
Isophorone	200	U	1940	1710		ug/Kg	*	88	56 - 120
Naphthalene	200	U	1940	1590		ug/Kg	*	82	46 - 120
Nitrobenzene	200	U	1940	1630		ug/Kg	*	84	49 - 120
N-Nitrosodi-n-propylamine	200	U	1940	1590		ug/Kg	*	82	46 - 120
N-Nitrosodiphenylamine	200	U	1940	1850		ug/Kg	*	96	20 - 128
Pentachlorophenol	390	U	3870	3570		ug/Kg	*	92	25 - 136
Phenanthrene	200	U	1940	1730		ug/Kg	*	89	60 - 122
Phenol	200	U	1940	1540		ug/Kg	*	79	50 - 120
Pyrene	200	U	1940	2080		ug/Kg	*	108	61 - 133

Surrogate	MS MS		Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	125	TH	54 - 120
2-Fluorobiphenyl (Surr)	92		60 - 120
2-Fluorophenol (Surr)	77		52 - 120

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188071-10 MS

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: B-21-141 (15-16)(08062021)

Prep Type: Total/NA

Prep Batch: 592214

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5 (Surr)	89		53 - 120
Phenol-d5 (Surr)	81		54 - 120
p-Terphenyl-d14 (Surr)	116		79 - 130

Lab Sample ID: 480-188071-10 MSD

Matrix: Solid

Analysis Batch: 592372

Client Sample ID: B-21-141 (15-16)(08062021)

Prep Type: Total/NA

Prep Batch: 592214

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit
1,2,4,5-Tetrachlorobenzene	200	U	1910	1700		ug/Kg	☼	89	59 - 120	10	21
1,4-Dioxane	120	U	1910	702		ug/Kg	☼	37	13 - 120	17	50
2,3,4,6-Tetrachlorophenol	200	U	1910	1690		ug/Kg	☼	88	50 - 150	11	33
2,4,5-Trichlorophenol	200	U	1910	1690		ug/Kg	☼	88	46 - 120	8	18
2,4,6-Trichlorophenol	200	U	1910	1710		ug/Kg	☼	90	41 - 123	7	19
2,4-Dichlorophenol	200	U	1910	1580		ug/Kg	☼	82	45 - 120	14	19
2,4-Dimethylphenol	200	U	1910	1680		ug/Kg	☼	88	52 - 120	12	42
2,4-Dinitrophenol	1900	U	3820	2300		ug/Kg	☼	60	41 - 146	6	22
2,4-Dinitrotoluene	200	U	1910	1660		ug/Kg	☼	87	63 - 125	9	20
2,6-Dinitrotoluene	200	U	1910	1670		ug/Kg	☼	87	66 - 120	8	15
2-Chloronaphthalene	200	U	1910	1510		ug/Kg	☼	79	57 - 120	12	21
2-Chlorophenol	390	U	1910	1460		ug/Kg	☼	77	43 - 120	7	25
2-Methylnaphthalene	200	U	1910	1490		ug/Kg	☼	78	55 - 120	11	21
2-Methylphenol	200	U	1910	1430		ug/Kg	☼	75	48 - 120	11	27
2-Nitroaniline	390	U	1910	1600		ug/Kg	☼	84	61 - 120	11	15
2-Nitrophenol	200	U	1910	1550		ug/Kg	☼	81	37 - 120	9	18
3,3'-Dichlorobenzidine	390	U	3820	2810		ug/Kg	☼	74	37 - 126	21	25
3-Nitroaniline	390	U	1910	1410		ug/Kg	☼	74	48 - 120	7	19
4,6-Dinitro-2-methylphenol	390	U	3820	3110		ug/Kg	☼	81	23 - 149	9	15
4-Bromophenyl phenyl ether	200	U	1910	1960		ug/Kg	☼	103	58 - 120	8	15
4-Chloro-3-methylphenol	200	U	1910	1680		ug/Kg	☼	88	49 - 125	13	27
4-Chloroaniline	200	U	1910	1350		ug/Kg	☼	71	38 - 120	14	22
4-Chlorophenyl phenyl ether	200	U	1910	1670		ug/Kg	☼	87	63 - 124	8	16
4-Methylphenol	390	U	1910	1460		ug/Kg	☼	77	50 - 120	7	24
4-Nitroaniline	390	U	1910	1350		ug/Kg	☼	71	47 - 120	13	24
4-Nitrophenol	390	U	3820	3760		ug/Kg	☼	98	31 - 147	14	25
Acenaphthene	200	U	1910	1510		ug/Kg	☼	79	60 - 120	10	35
Acenaphthylene	200	U	1910	1640		ug/Kg	☼	86	58 - 121	11	18
Acetophenone	200	U	1910	1530		ug/Kg	☼	80	47 - 120	10	20
Anthracene	200	U	1910	1680		ug/Kg	☼	88	62 - 120	9	15
Atrazine	200	U	3820	3390		ug/Kg	☼	89	60 - 150	11	20
Benzaldehyde	200	U T	3820	1240	T	ug/Kg	☼	32	10 - 150	96	20
Benzo[a]anthracene	200	U	1910	1630		ug/Kg	☼	86	65 - 120	10	15
Benzo[a]pyrene	200	U	1910	1620		ug/Kg	☼	85	64 - 120	11	15
Benzo[b]fluoranthene	200	U	1910	1760		ug/Kg	☼	92	10 - 150	9	15
Benzo[g,h,i]perylene	200	U	1910	1580		ug/Kg	☼	83	45 - 145	12	15
Benzo[k]fluoranthene	200	U	1910	1670		ug/Kg	☼	87	23 - 150	9	22
Biphenyl	200	U	1910	1510		ug/Kg	☼	79	58 - 120	12	20
bis (2-chloroisopropyl) ether	200	U	1910	1050		ug/Kg	☼	55	31 - 120	9	24

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 480-188071-10 MSD

Client Sample ID: B-21-141 (15-16)(08062021)

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592372

Prep Batch: 592214

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec.	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier				Limits		Limit
Bis(2-chloroethoxy)methane	200	U	1910	1450		ug/Kg	*	76	52 - 120	9	17
Bis(2-chloroethyl)ether	200	U	1910	1290		ug/Kg	*	67	45 - 120	11	21
Bis(2-ethylhexyl) phthalate	200	U	1910	1830		ug/Kg	*	96	61 - 133	8	15
Butyl benzyl phthalate	200	U	1910	1820		ug/Kg	*	95	61 - 120	9	16
Caprolactam	200	U	3820	2780		ug/Kg	*	73	37 - 133	12	20
Carbazole	200	U	1910	1560		ug/Kg	*	82	59 - 120	9	20
Chrysene	200	U	1910	1630		ug/Kg	*	85	64 - 120	11	15
Dibenz(a,h)anthracene	200	U	1910	1670		ug/Kg	*	87	54 - 132	13	15
Dibenzofuran	200	U	1910	1550		ug/Kg	*	81	62 - 120	10	15
Diethyl phthalate	200	U	1910	1740		ug/Kg	*	91	66 - 120	11	15
Dimethyl phthalate	200	U	1910	1660		ug/Kg	*	87	65 - 124	11	15
Di-n-butyl phthalate	200	U	1910	1780		ug/Kg	*	93	58 - 130	9	15
Di-n-octyl phthalate	200	U	1910	1560		ug/Kg	*	82	57 - 133	10	16
Fluoranthene	200	U	1910	1570		ug/Kg	*	82	62 - 120	8	15
Fluorene	200	U	1910	1570		ug/Kg	*	82	63 - 120	11	15
Hexachlorobenzene	200	U	1910	2030		ug/Kg	*	106	60 - 120	8	15
Hexachlorobutadiene	200	U	1910	1770		ug/Kg	*	92	45 - 120	8	44
Hexachlorocyclopentadiene	200	U	1910	1700		ug/Kg	*	89	31 - 120	9	49
Hexachloroethane	200	U	1910	1370		ug/Kg	*	72	21 - 120	13	46
Indeno[1,2,3-cd]pyrene	200	U	1910	1580		ug/Kg	*	83	56 - 134	13	15
Isophorone	200	U	1910	1520		ug/Kg	*	80	56 - 120	11	17
Naphthalene	200	U	1910	1410		ug/Kg	*	74	46 - 120	12	29
Nitrobenzene	200	U	1910	1440		ug/Kg	*	75	49 - 120	12	24
N-Nitrosodi-n-propylamine	200	U	1910	1460		ug/Kg	*	76	46 - 120	9	31
N-Nitrosodiphenylamine	200	U	1910	1670		ug/Kg	*	88	20 - 128	10	15
Pentachlorophenol	390	U	3820	3200		ug/Kg	*	84	25 - 136	11	35
Phenanthrene	200	U	1910	1580		ug/Kg	*	83	60 - 122	9	15
Phenol	200	U	1910	1370		ug/Kg	*	72	50 - 120	11	35
Pyrene	200	U	1910	1840		ug/Kg	*	96	61 - 133	12	35

Surrogate	MSD	MSD	Limits
	%Recovery	Qualifier	
2,4,6-Tribromophenol (Surr)	119		54 - 120
2-Fluorobiphenyl (Surr)	84		60 - 120
2-Fluorophenol (Surr)	68		52 - 120
Nitrobenzene-d5 (Surr)	80		53 - 120
Phenol-d5 (Surr)	73		54 - 120
p-Terphenyl-d14 (Surr)	105		79 - 130

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 480-592259/1-A

Client Sample ID: Method Blank

Matrix: Solid

Prep Type: Total/NA

Analysis Batch: 592443

Prep Batch: 592259

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
4,4'-DDD	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDE	1.6	U	1.6	0.34	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
4,4'-DDT	1.6	U	1.6	0.38	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Aldrin	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 480-592259/1-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592259

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
alpha-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
beta-BHC	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
cis-Chlordane	1.6	U	1.6	0.82	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
delta-BHC	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Dieldrin	1.6	U	1.6	0.39	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan I	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan II	1.6	U	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endosulfan sulfate	1.6	U	1.6	0.31	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin	1.6	U	1.6	0.32	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin aldehyde	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Endrin ketone	1.6	U	1.6	0.40	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
gamma-BHC (Lindane)	0.485	J	1.6	0.30	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor	1.6	U	1.6	0.36	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Heptachlor epoxide	1.6	U	1.6	0.42	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Methoxychlor	1.6	U	1.6	0.33	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
Toxaphene	16	U	16	9.5	ug/Kg		08/10/21 07:20	08/11/21 09:54	1
trans-Chlordane	1.6	U	1.6	0.52	ug/Kg		08/10/21 07:20	08/11/21 09:54	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
DCB Decachlorobiphenyl	78		45 - 120	08/10/21 07:20	08/11/21 09:54	1
DCB Decachlorobiphenyl	100		45 - 120	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	75		30 - 124	08/10/21 07:20	08/11/21 09:54	1
Tetrachloro-m-xylene	79		30 - 124	08/10/21 07:20	08/11/21 09:54	1

Lab Sample ID: LCS 480-592259/2-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	16.4	12.6		ug/Kg		76	44 - 120
4,4'-DDT	16.4	17.4		ug/Kg		106	38 - 120
Aldrin	16.4	11.8		ug/Kg		72	38 - 120
alpha-BHC	16.4	11.3		ug/Kg		68	39 - 120
beta-BHC	16.4	13.6		ug/Kg		83	40 - 120
cis-Chlordane	16.4	11.0		ug/Kg		67	47 - 120
delta-BHC	16.4	13.2		ug/Kg		80	45 - 120
Dieldrin	16.4	14.8		ug/Kg		90	58 - 120
Endosulfan I	16.4	13.8		ug/Kg		84	49 - 120
Endosulfan II	16.4	16.3		ug/Kg		99	55 - 120
Endosulfan sulfate	16.4	18.5		ug/Kg		112	49 - 124
Endrin	16.4	15.8		ug/Kg		96	58 - 120
Endrin aldehyde	16.4	13.5		ug/Kg		82	37 - 121
Endrin ketone	16.4	16.4		ug/Kg		100	46 - 123
gamma-BHC (Lindane)	16.4	12.8		ug/Kg		78	50 - 120
Heptachlor	16.4	13.4		ug/Kg		81	50 - 120
Heptachlor epoxide	16.4	14.3		ug/Kg		87	50 - 120
Methoxychlor	16.4	19.6		ug/Kg		119	58 - 133

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 480-592259/2-A

Matrix: Solid

Analysis Batch: 592443

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592259

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-Chlordane	16.4	14.2		ug/Kg		87	48 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	82		45 - 120
DCB Decachlorobiphenyl	108		45 - 120
Tetrachloro-m-xylene	75		30 - 124
Tetrachloro-m-xylene	88		30 - 124

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 480-592384/1-A

Matrix: Solid

Analysis Batch: 592532

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.24	U	0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1221	0.24	U	0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1232	0.24	U	0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1242	0.24	U	0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1248	0.24	U	0.24	0.047	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1254	0.24	U	0.24	0.11	mg/Kg		08/10/21 15:07	08/11/21 15:25	1
PCB-1260	0.24	U	0.24	0.11	mg/Kg		08/10/21 15:07	08/11/21 15:25	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	96		60 - 154	08/10/21 15:07	08/11/21 15:25	1
Tetrachloro-m-xylene	110		60 - 154	08/10/21 15:07	08/11/21 15:25	1
DCB Decachlorobiphenyl	94		65 - 174	08/10/21 15:07	08/11/21 15:25	1
DCB Decachlorobiphenyl	105		65 - 174	08/10/21 15:07	08/11/21 15:25	1

Lab Sample ID: LCS 480-592384/2-A

Matrix: Solid

Analysis Batch: 592532

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	2.16	2.82		mg/Kg		131	51 - 185
PCB-1260	2.16	2.86		mg/Kg		133	61 - 184

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	134		60 - 154
Tetrachloro-m-xylene	148		60 - 154
DCB Decachlorobiphenyl	129		65 - 174
DCB Decachlorobiphenyl	145		65 - 174

QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 480-592643/1-A

Matrix: Solid

Analysis Batch: 592926

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592643

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
2,4-D	17	U	17	10	ug/Kg		08/12/21 08:43	08/16/21 21:12	1
Silvex (2,4,5-TP)	17	U	17	6.0	ug/Kg		08/12/21 08:43	08/16/21 21:12	1
Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
%Recovery	Qualifier								
2,4-Dichlorophenylacetic acid	71		28 - 129	08/12/21 08:43	08/16/21 21:12	1			
2,4-Dichlorophenylacetic acid	74		28 - 129	08/12/21 08:43	08/16/21 21:12	1			

Lab Sample ID: LCS 480-592643/2-A

Matrix: Solid

Analysis Batch: 592926

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 592643

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec. Limits
		Result	Qualifier				
2,4-D	65.9	40.9		ug/Kg		62	40 - 120
Silvex (2,4,5-TP)	65.9	41.1		ug/Kg		62	39 - 125
Surrogate	LCS	LCS	Limits				
%Recovery	Qualifier						
2,4-Dichlorophenylacetic acid	74		28 - 129				
2,4-Dichlorophenylacetic acid	78		28 - 129				

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-592119/1-A

Matrix: Solid

Analysis Batch: 592290

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 592119

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Aluminum	10	U	10	4.4	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Antimony	15.0	U	15.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Arsenic	2.0	U	2.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Barium	0.50	U	0.50	0.11	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Beryllium	0.20	U	0.20	0.028	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Cadmium	0.20	U	0.20	0.030	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Calcium	4.97	J	49.9	3.3	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Chromium	0.50	U	0.50	0.20	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Cobalt	0.50	U	0.50	0.050	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Copper	1.0	U	1.0	0.21	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Iron	10	U	10	3.5	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Lead	1.0	U	1.0	0.24	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Magnesium	1.02	J	20.0	0.93	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Manganese	0.248		0.20	0.032	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Nickel	5.0	U	5.0	0.23	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Potassium	29.9	U	29.9	20.0	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Selenium	4.0	U	4.0	0.40	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Silver	0.60	U	0.60	0.20	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Sodium	140	U	140	13.0	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Thallium	6.0	U	6.0	0.30	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Vanadium	0.50	U	0.50	0.11	mg/Kg		08/08/21 20:13	08/10/21 01:06	1
Zinc	2.0	U	2.0	0.64	mg/Kg		08/08/21 20:13	08/10/21 01:06	1

Eurofins TestAmerica, Buffalo

QC Sample Results

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-592119/2-A
Matrix: Solid
Analysis Batch: 592290

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 592119

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits	
Aluminum	8190	8165		mg/Kg		99.7	50.1 - 150.2	
Antimony	110	74.26		mg/Kg		67.5	22.2 - 254.5	
Arsenic	162	133.7		mg/Kg		82.5	70.4 - 130.2	
Barium	138	122.3		mg/Kg		88.6	74.6 - 124.6	
Beryllium	157	143.0		mg/Kg		91.1	75.2 - 125.5	
Cadmium	135	122.8		mg/Kg		91.0	74.8 - 124.4	
Calcium	4790	3848		mg/Kg		80.3	72.7 - 127.3	
Chromium	117	108.1		mg/Kg		92.4	70.1 - 129.9	
Cobalt	92.6	90.37		mg/Kg		97.6	75.1 - 125.3	
Copper	143	114.5		mg/Kg		80.0	74.8 - 124.5	
Iron	15100	13440		mg/Kg		89.0	37.2 - 162.9	
Lead	77.6	71.79		mg/Kg		92.5	68.8 - 131.4	
Magnesium	2320	2134		mg/Kg		92.0	62.1 - 137.9	
Manganese	319	303.0		mg/Kg		95.0	74.9 - 125.1	
Nickel	79.9	79.33		mg/Kg		99.3	70.0 - 130.2	
Potassium	2050	2005		mg/Kg		97.8	59.5 - 141.0	
Selenium	172	147.6		mg/Kg		85.8	68.0 - 132.6	
Silver	24.7	19.17		mg/Kg		77.6	67.2 - 133.2	
Sodium	137	137.8	J	mg/Kg		100.6	35.8 - 164.2	
Thallium	88.0	89.83		mg/Kg		102.1	66.0 - 134.1	
Vanadium	99.9	93.25		mg/Kg		93.3	67.4 - 132.1	
Zinc	312	258.1		mg/Kg		82.7	69.9 - 129.8	

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-593114/1-A
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 593114

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Mercury	0.020	U	0.020	0.0045	mg/Kg		08/17/21 14:40	08/17/21 16:31	1

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QC Sample Results

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: LCSSRM 480-593114/2-A ^10
Matrix: Solid
Analysis Batch: 593160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 593114

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	27.2	22.68		mg/Kg		83.4	59.9 - 140. 1

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

QC Association Summary

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

GC/MS VOA

Analysis Batch: 592236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-1	B-21-142 (1-2)(08062021)	Total/NA	Solid	8260C	592250
480-188071-7	B-21-141 (2-3)(08062021)	Total/NA	Solid	8260C	592250
480-188071-8	B-21-141 (8-9)(08062021)	Total/NA	Solid	8260C	592250
480-188071-9	B-21-141 (13-14)(08062021)	Total/NA	Solid	8260C	592250
MB 480-592250/2-A	Method Blank	Total/NA	Solid	8260C	592250
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	8260C	592250

Prep Batch: 592250

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-1	B-21-142 (1-2)(08062021)	Total/NA	Solid	5035A_L	
480-188071-7	B-21-141 (2-3)(08062021)	Total/NA	Solid	5035A_L	
480-188071-8	B-21-141 (8-9)(08062021)	Total/NA	Solid	5035A_L	
480-188071-9	B-21-141 (13-14)(08062021)	Total/NA	Solid	5035A_L	
MB 480-592250/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592250/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

Analysis Batch: 592414

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-3	B-21-142 (8-9)(08062021)	Total/NA	Solid	8260C	592433
480-188071-4	B-21-142 (11-12)(08062021)	Total/NA	Solid	8260C	592433
MB 480-592433/2-A	Method Blank	Total/NA	Solid	8260C	592433
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	8260C	592433

Prep Batch: 592433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-3	B-21-142 (8-9)(08062021)	Total/NA	Solid	5035A_L	
480-188071-4	B-21-142 (11-12)(08062021)	Total/NA	Solid	5035A_L	
MB 480-592433/2-A	Method Blank	Total/NA	Solid	5035A_L	
LCS 480-592433/1-A	Lab Control Sample	Total/NA	Solid	5035A_L	

GC/MS Semi VOA

Prep Batch: 592214

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	3550C	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	3550C	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	3550C	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	3550C	
MB 480-592214/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592214/2-A	Lab Control Sample	Total/NA	Solid	3550C	
480-188071-10 MS	B-21-141 (15-16)(08062021)	Total/NA	Solid	3550C	
480-188071-10 MSD	B-21-141 (15-16)(08062021)	Total/NA	Solid	3550C	

Analysis Batch: 592372

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	8270D	592214
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	8270D	592214
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	8270D	592214
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	8270D	592214
MB 480-592214/1-A	Method Blank	Total/NA	Solid	8270D	592214
LCS 480-592214/2-A	Lab Control Sample	Total/NA	Solid	8270D	592214

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QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

GC/MS Semi VOA (Continued)

Analysis Batch: 592372 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-10 MS	B-21-141 (15-16)(08062021)	Total/NA	Solid	8270D	592214
480-188071-10 MSD	B-21-141 (15-16)(08062021)	Total/NA	Solid	8270D	592214

GC Semi VOA

Prep Batch: 592259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	3550C	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	3550C	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	3550C	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	3550C	
MB 480-592259/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 592384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	3550C	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	3550C	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	3550C	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	3550C	
MB 480-592384/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-592384/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Analysis Batch: 592443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	8081B	592259
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	8081B	592259
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	8081B	592259
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	8081B	592259
MB 480-592259/1-A	Method Blank	Total/NA	Solid	8081B	592259
LCS 480-592259/2-A	Lab Control Sample	Total/NA	Solid	8081B	592259

Analysis Batch: 592532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	8082A	592384
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	8082A	592384
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	8082A	592384
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	8082A	592384
MB 480-592384/1-A	Method Blank	Total/NA	Solid	8082A	592384
LCS 480-592384/2-A	Lab Control Sample	Total/NA	Solid	8082A	592384

Prep Batch: 592643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	8151A	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	8151A	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	8151A	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	8151A	
MB 480-592643/1-A	Method Blank	Total/NA	Solid	8151A	
LCS 480-592643/2-A	Lab Control Sample	Total/NA	Solid	8151A	

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

GC Semi VOA

Analysis Batch: 592926

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	8151A	592643
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	8151A	592643
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	8151A	592643
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	8151A	592643
MB 480-592643/1-A	Method Blank	Total/NA	Solid	8151A	592643
LCS 480-592643/2-A	Lab Control Sample	Total/NA	Solid	8151A	592643

Metals

Prep Batch: 592119

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	3050B	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	3050B	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	3050B	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	3050B	
MB 480-592119/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-592119/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Analysis Batch: 592290

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	6010C	592119
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	6010C	592119
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	6010C	592119
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	6010C	592119
MB 480-592119/1-A	Method Blank	Total/NA	Solid	6010C	592119
LCSSRM 480-592119/2-A	Lab Control Sample	Total/NA	Solid	6010C	592119

Analysis Batch: 592477

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	6010C	592119

Prep Batch: 593114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	7471B	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	7471B	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	7471B	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	7471B	
MB 480-593114/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-593114/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 593160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	7471B	593114
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	7471B	593114
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	7471B	593114
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	7471B	593114
MB 480-593114/1-A	Method Blank	Total/NA	Solid	7471B	593114
LCSSRM 480-593114/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	593114

Eurofins TestAmerica, Buffalo

QC Association Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

General Chemistry

Analysis Batch: 592117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-188071-1	B-21-142 (1-2)(08062021)	Total/NA	Solid	Moisture	
480-188071-2	B-21-142 (4-5)(08062021)	Total/NA	Solid	Moisture	
480-188071-3	B-21-142 (8-9)(08062021)	Total/NA	Solid	Moisture	
480-188071-4	B-21-142 (11-12)(08062021)	Total/NA	Solid	Moisture	
480-188071-5	B-21-142 (13-14)(08062021)	Total/NA	Solid	Moisture	
480-188071-6	B-21-141 (1-2)(08062021)	Total/NA	Solid	Moisture	
480-188071-7	B-21-141 (2-3)(08062021)	Total/NA	Solid	Moisture	
480-188071-8	B-21-141 (8-9)(08062021)	Total/NA	Solid	Moisture	
480-188071-9	B-21-141 (13-14)(08062021)	Total/NA	Solid	Moisture	
480-188071-10	B-21-141 (15-16)(08062021)	Total/NA	Solid	Moisture	



Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (1-2)(08062021)

Lab Sample ID: 480-188071-1

Date Collected: 08/06/21 07:50

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-142 (1-2)(08062021)

Lab Sample ID: 480-188071-1

Date Collected: 08/06/21 07:50

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/10/21 00:48	WJD	TAL BUF

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-142 (4-5)(08062021)

Lab Sample ID: 480-188071-2

Date Collected: 08/06/21 08:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592214	08/09/21 15:03	ADH	TAL BUF
Total/NA	Analysis	8270D		5	592372	08/10/21 19:09	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		10	592443	08/11/21 17:22	RJS	TAL BUF
Total/NA	Prep	3550C			592384	08/10/21 15:07	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592532	08/11/21 18:12	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 03:08	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 02:42	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 17:04	BMB	TAL BUF

Client Sample ID: B-21-142 (8-9)(08062021)

Lab Sample ID: 480-188071-3

Date Collected: 08/06/21 08:10

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-142 (8-9)(08062021)

Lab Sample ID: 480-188071-3

Date Collected: 08/06/21 08:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 23:07	WJD	TAL BUF

Client Sample ID: B-21-142 (11-12)(08062021)

Lab Sample ID: 480-188071-4

Date Collected: 08/06/21 08:20

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-142 (11-12)(08062021)

Lab Sample ID: 480-188071-4

Date Collected: 08/06/21 08:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592433	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592414	08/10/21 23:31	WJD	TAL BUF

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-142 (13-14)(08062021)

Lab Sample ID: 480-188071-5

Date Collected: 08/06/21 08:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592214	08/09/21 15:03	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592372	08/10/21 19:33	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 17:42	RJS	TAL BUF
Total/NA	Prep	3550C			592384	08/10/21 15:07	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592532	08/11/21 18:24	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 03:37	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 02:57	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 17:05	BMB	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-141 (1-2)(08062021)

Lab Sample ID: 480-188071-6

Date Collected: 08/06/21 09:45

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592214	08/09/21 15:03	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592372	08/10/21 19:56	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 14:27	RJS	TAL BUF
Total/NA	Prep	3550C			592384	08/10/21 15:07	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592532	08/11/21 18:37	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 04:07	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		2	592477	08/10/21 21:10	LMH	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 03:01	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 17:07	BMB	TAL BUF

Client Sample ID: B-21-141 (2-3)(08062021)

Lab Sample ID: 480-188071-7

Date Collected: 08/06/21 10:00

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-141 (2-3)(08062021)

Lab Sample ID: 480-188071-7

Date Collected: 08/06/21 10:00

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/10/21 02:00	WJD	TAL BUF

Client Sample ID: B-21-141 (8-9)(08062021)

Lab Sample ID: 480-188071-8

Date Collected: 08/06/21 10:10

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Lab Chronicle

Client: Environmental Resources Management Inc
 Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Client Sample ID: B-21-141 (8-9)(08062021)

Lab Sample ID: 480-188071-8

Date Collected: 08/06/21 10:10

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/10/21 02:24	WJD	TAL BUF

Client Sample ID: B-21-141 (13-14)(08062021)

Lab Sample ID: 480-188071-9

Date Collected: 08/06/21 10:20

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-141 (13-14)(08062021)

Lab Sample ID: 480-188071-9

Date Collected: 08/06/21 10:20

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035A_L			592250	08/07/21 12:30	WJD	TAL BUF
Total/NA	Analysis	8260C		1	592236	08/10/21 02:48	WJD	TAL BUF

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	592117	08/08/21 17:43	DSC	TAL BUF

Client Sample ID: B-21-141 (15-16)(08062021)

Lab Sample ID: 480-188071-10

Date Collected: 08/06/21 10:30

Matrix: Solid

Date Received: 08/07/21 08:00

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			592214	08/09/21 15:03	ADH	TAL BUF
Total/NA	Analysis	8270D		1	592372	08/10/21 18:45	PJQ	TAL BUF
Total/NA	Prep	3550C			592259	08/10/21 07:20	VXF	TAL BUF
Total/NA	Analysis	8081B		1	592443	08/11/21 14:46	RJS	TAL BUF
Total/NA	Prep	3550C			592384	08/10/21 15:07	ADH	TAL BUF
Total/NA	Analysis	8082A		1	592532	08/11/21 18:50	DSC	TAL BUF
Total/NA	Prep	8151A			592643	08/12/21 08:43	VXF	TAL BUF
Total/NA	Analysis	8151A		1	592926	08/17/21 04:37	MAN	TAL BUF
Total/NA	Prep	3050B			592119	08/08/21 20:13	DMN	TAL BUF
Total/NA	Analysis	6010C		1	592290	08/10/21 03:05	AMH	TAL BUF
Total/NA	Prep	7471B			593114	08/17/21 14:40	BMB	TAL BUF
Total/NA	Analysis	7471B		1	593160	08/17/21 17:08	BMB	TAL BUF

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Laboratory: Eurofins TestAmerica, Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids



Method Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
8081B	Organochlorine Pesticides (GC)	SW846	TAL BUF
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL BUF
8151A	Herbicides (GC)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7471B	Mercury (CVAA)	SW846	TAL BUF
Moisture	Percent Moisture	EPA	TAL BUF
3050B	Preparation, Metals	SW846	TAL BUF
3550C	Ultrasonic Extraction	SW846	TAL BUF
5035A_L	Closed System Purge and Trap	SW846	TAL BUF
7471B	Preparation, Mercury	SW846	TAL BUF
8151A	Extraction (Herbicides)	SW846	TAL BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = Eurofins TestAmerica, Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Environmental Resources Management Inc
Project/Site: Li-Cycle: Lidestri-Ridgeway Property

Job ID: 480-188071-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-188071-1	B-21-142 (1-2)(08062021)	Solid	08/06/21 07:50	08/07/21 08:00
480-188071-2	B-21-142 (4-5)(08062021)	Solid	08/06/21 08:00	08/07/21 08:00
480-188071-3	B-21-142 (8-9)(08062021)	Solid	08/06/21 08:10	08/07/21 08:00
480-188071-4	B-21-142 (11-12)(08062021)	Solid	08/06/21 08:20	08/07/21 08:00
480-188071-5	B-21-142 (13-14)(08062021)	Solid	08/06/21 08:30	08/07/21 08:00
480-188071-6	B-21-141 (1-2)(08062021)	Solid	08/06/21 09:45	08/07/21 08:00
480-188071-7	B-21-141 (2-3)(08062021)	Solid	08/06/21 10:00	08/07/21 08:00
480-188071-8	B-21-141 (8-9)(08062021)	Solid	08/06/21 10:10	08/07/21 08:00
480-188071-9	B-21-141 (13-14)(08062021)	Solid	08/06/21 10:20	08/07/21 08:00
480-188071-10	B-21-141 (15-16)(08062021)	Solid	08/06/21 10:30	08/07/21 08:00

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Chain of Custody Record

Syracuse
 Camer Tracking No(s): #225

Client Information
 Client Contact: Mr. Robert Sents
 Company: ERM-Northeast
 Address: 5784 Widewaters Pkwy
 City: Dewitt
 State, Zip: NY, 13214
 Phone: 585-610-0510(Tel)
 Email: robert.sents@erm.com
 Project Name: Li-Cycle: Lidestri-Ridgeway Property
 Site:

Sample: K. Popyack
Phone: 315-559-2658
E-Mail: John.Schove@Eurofinset.com

Lab PM: Schove, John R
 PWSID:

COC No: 480-163241-35773.1
 Page: Page 1 of 1 xp
 Job #:

Analysis Requested

Due Date Requested:
 TAT Requested (days): Standard
 Compliance Project: Yes No
 PO #: 0563864 Phase 40
 WO #:
 Project #: 48023985
 SSOW#:

Preservation Codes:
 A - HCL
 B - NaOH
 C - Zn Acetate
 D - Nitric Acid
 E - NaHSO4
 F - Metha
 M - Hexane
 N - None
 O - As/Ns/O2
 P - No PC

Barcode: 480-186071 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Solid, On-site/Off-site)	Field Filtered Sample (Yes or No)	8260C - TCL VOCs + 10 TICs	6010C, 7471B	8081B, 8082A, 8151A, 8270D	Total Nur	Special Instructions/Note:
B-21-142 (1-2) (0806 2021)	8/6/2021	0730	G	Solid	X	N	N	N	X	
B-21-142 (4-5) (0806 2021)		0800		Solid	N	X			4	
B-21-142 (8-9) (0806 2021)		0816		Solid	N	X			3	
B-21-142 (11-12) (0806 2021)		0820		Solid	N	X			4	
B-21-142 (13-14) (0806 2021)		0830		Solid	N	X			3	
B-21-141 (1-2) (0806 2021)		0945		Solid	N	X			3	
B-21-141 (2-3) (0806 2021)		1000		Solid	N	X			4	
B-21-141 (8-9) (0806 2021)		1010		Solid	N	X			4	
B-21-141 (13-14) (0806 2021)		1020		Solid	N	X			4	
B-21-141 (15-16) (0806 2021)		1030		Solid	N	X			3	
				Solid	KP					

Possible Hazard Identification
 Non-Hazard Flammable Skin Irritant Poison B Unknown Radiological
 Deliverable Requested: I, II, III, IV, Other (specify) IV

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
 Return To Client Disposal By Lab Archive For _____ Months

Special Instructions/QC Requirements: ASP Cat B Deliverables

Empty Kit Relinquished by: _____ Date: _____

Relinquished by: _____ Date: 8/6/21 1340
 Company: ERM

Relinquished by: _____ Date: 8-6-21 1900
 Company: Syrac

Relinquished by: _____ Date: _____
 Company: _____

Custody Seals Intact: Yes No
 Custody Seal No.: #124

Received by: _____ Date/Time: 8-6-21, 13:40
 Company: _____

Received by: _____ Date/Time: 8/12/21 0800
 Company: TAB

Received by: _____ Date/Time: _____
 Company: _____

Cooler Temperature(s) °C and Other Remarks: _____

Login Sample Receipt Checklist

Client: Environmental Resources Management Inc

Job Number: 480-188071-1

Login Number: 188071

List Source: Eurofins TestAmerica, Buffalo

List Number: 1

Creator: Wallace, Cameron

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	FREEZE TIME 8/7/21 1230
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



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India	South Africa
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Ireland	Spain
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Kazakhstan	Taiwan
Kenya	Thailand
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ERM's Rochester, NY Office

345 Woodcliff Drive
2nd Floor
Fairport, New York 14450

T: 585 387 0610
F: 585 387 0603

www.erm.com

