



HALEY & ALDRICH OF NEW YORK  
213 West 35<sup>th</sup> Street  
7<sup>th</sup> Floor  
New York, NY 10123  
646.518.7735

10 October 2023

File No. 0202156

Via Email: [Jolene.lozewski@dec.ny.gov](mailto:Jolene.lozewski@dec.ny.gov)  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
625 Broadway  
Albany, New York 12233

Attention: Jolene Lozewski

Subject: Project Status Report  
Former Carter Spray Finishing Corp. - NYSDEC BCP Site C224218  
65 Eckford Street  
Brooklyn, New York

Dear Jolene Lozewski:

Haley & Aldrich of New York is pleased to present this Project Status Report on behalf of 65-73 Eckford Realty, LLC for the above referenced Site. Copies of this Project Status Report have also been provided to Scarlett McLaughlin and Arunesh Ghosh of the New York State Department of Health. The Project Status Report is for 1 September 2023 to 1 October 2023. If you have any questions, please contact us at 646-277-5688.

Sincerely yours,  
HALEY & ALDRICH OF NEW YORK

Mari Cate Conlon  
Associate

Zachary Simmel  
Assistant Project Manager

CC:

Bob Corcoran (NYSDEC)  
Scarlett McLaughlin (NYSDOH)  
Arunesh Ghosh (NYSDOH)  
65-73 Eckford Realty, LLC  
Isaac Sofer (Prestige NY LLC)  
Jon Schuyler Brooks (Abramson Brooks LLP)

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Email: [jbrooks@abramsonbrooks.com](mailto:jbrooks@abramsonbrooks.com)

This status report summarizes activities conducted at the Former Carter Spray Finishing Corp. Site (the Site) located at 65 Eckford Street, Brooklyn, NY from 1 September 2023 to 1 October 2023. A Site plan showing the current Site conditions is included as Figure 1.

### **Remedial Measure Activities**

Remedial activities during this reporting period included soil excavation and stockpiling in all regions of the Site to facilitate support-of-excavation (SOE) installation. A total of 4 trucks (approx. 80 cubic yards) were loaded with hazardous lead-impacted soil for disposal at Cycle Chem Inc, a total of 5 trucks (approx. 100 cubic yards) were loaded with hazardous chromium-impacted soil for disposal at Cycle Chem Inc, a total of 44 trucks (approx. 880 cubic yards) were loaded with hazardous chromium-impacted soil for disposal at Clean Earth of North Jersey, and a total of 26 trucks (approx. 520 cubic yards) were loaded with hazardous lead-impacted soil for disposal at Clean Earth of North Jersey between 1 September 2023 and 1 October 2023.

### **Sampling Results and Other Data**

Multiple endpoints were collected during this reporting period including EP-04, EP-06, EP-09, EP-11 and data was submitted to NYDSEC on 28 September 2023. On 19 September 2023, samples were collected from both offsite sentinel wells, OW-1 and OW-2, respectively, and on 18 September 2023, influent and effluent samples were collected from the active dewatering system as per the NYSDEC approved Water Withdrawal, Treatment & Discharge Plan. Influent and effluent sampling results from the active dewatering system are provided in Attachment A. Sampling results for the offsite sentinel wells are provided in Attachment B.

Per request from the NYSDEC, in response to the Proposed Deviation to the Groundwater Remedy request, a groundwater sample from the over-excavation area in the northeastern corner of the Site was collected on 8 September 2023. Results were submitted to NYSDEC as part of the request on 13 September 2023.

### **Estimated Percentage of Project Completion**

The remedial action phase is 85% complete.

### **Delays Encountered**

None.

### **Site Communication and Deliverable Submittals**

Nineteen daily reports were submitted to New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) during this reporting period.

On 13 September 2023, a request for deviation to the groundwater remedy as included in the Decision Document for the Site was submitted to NYSDEC.

### **Anticipated Activities during Next Reporting Period(s)**

Continued tie-back installation, soil excavation and load out of offsite disposal, sampling of offsite groundwater monitoring wells, dewatering system effluent and influent sampling, and installation of the cellar slab are anticipated during the next reporting period(s).

### **Anticipated Citizen Participation Activities**

#### Current Period

None.

#### Anticipated Next Period

None.

### **Other Notable Items**

None.

### **Figures**

Figure 1 – Current Site Conditions Map

### **Attachments**

Attachment A – Analytical Data for Influent and Effluent Dewatering Samples – September 2023

Attachment B – Analytical Data for Offsite Sentinel Wells – September 2023

## FIGURES



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**LEGEND**

 SITE BOUNDARY

**NOTES**

- 1. ALL LOCATIONS ARE APPROXIMATE.
- 2. AERIAL IMAGERY SOURCE: NEARMAP, 12 MARCH 2021



0 20 40  
SCALE IN FEET

**HALEY  
ALDRICH**

65 ECKFORD STREET  
BROOKLYN, NEW YORK

**CURRENT SITE CONDITIONS MAP**

OCTOBER 2023

FIGURE 1



Former Carter Spray Finishing Corp. - BCP Site C224218

10 October 2023

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**ATTACHMENT A**

**Analytical Data for Influent and Effluent Dewatering Samples – September 2023**



## ANALYTICAL REPORT

Lab Number:	L2354352
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	65 ECKFORD STREET
Project Number:	0202156
Report Date:	09/25/23

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2354352-01	EFFLUENT DW SAMPLE_20230918	WATER	65 ECKFORD ST, BROOKLYN, NY	09/18/23 09:00	09/18/23
L2354352-02	INFLUENT DW SAMPLE_20230918	WATER	65 ECKFORD ST, BROOKLYN, NY	09/18/23 10:00	09/18/23



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

### Case Narrative (continued)

#### Report Submission

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

#### Solids, Total

The Effluent (L2354352-01) results are greater than the Influent (L2354352-02) results. The sample containers were verified as being labeled correctly by the laboratory.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Cristin Walker

Title: Technical Director/Representative

Date: 09/25/23

# ORGANICS

# VOLATILES



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

Lab ID: L2354352-01  
 Client ID: EFFLUENT DW SAMPLE\_20230918  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/18/23 09:00  
 Date Received: 09/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/19/23 17:35  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-Xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Methyl tert butyl Ether	ND		ug/l	10	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	107		60-140
Fluorobenzene	97		60-140
4-Bromofluorobenzene	97		60-140

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

Lab ID: L2354352-02  
 Client ID: INFLUENT DW SAMPLE\_20230918  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/18/23 10:00  
 Date Received: 09/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 09/19/23 18:08  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-Xylene	ND		ug/l	1.0	0.34	1
Xylenes, Total	ND		ug/l	1.0	0.30	1
Methyl tert butyl Ether	0.66	J	ug/l	10	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	107		60-140
Fluorobenzene	96		60-140
4-Bromofluorobenzene	97		60-140

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

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

Analytical Method: 128,624.1  
Analytical Date: 09/19/23 10:21  
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1829750-4					
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
Tetrachloroethene	ND		ug/l	1.0	0.26
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-Xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Methyl tert butyl Ether	ND		ug/l	10	0.19

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	111		60-140
Fluorobenzene	99		60-140
4-Bromofluorobenzene	89		60-140

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1829750-3								
Chloroform	90		-		70-135	-		54
Carbon tetrachloride	95		-		70-130	-		41
Tetrachloroethene	100		-		70-130	-		39
1,1,1-Trichloroethane	95		-		70-130	-		36
Benzene	95		-		65-135	-		61
Toluene	90		-		70-130	-		41
Ethylbenzene	90		-		60-140	-		63
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	90		-		60-140	-		30
o-Xylene	90		-		60-140	-		30
Methyl tert butyl Ether	90		-		60-140	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	112				60-140
Fluorobenzene	105				60-140
4-Bromofluorobenzene	95				60-140



# SEMIVOLATILES

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

Lab ID: L2354352-01  
 Client ID: EFFLUENT DW SAMPLE\_20230918  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/18/23 09:00  
 Date Received: 09/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 129,625.1  
 Analytical Date: 09/22/23 12:29  
 Analyst: CMM

Extraction Method: EPA 625.1  
 Extraction Date: 09/21/23 19:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49	1
Naphthalene	ND		ug/l	2.00	0.896	1
Phenol	ND		ug/l	5.00	0.262	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-87
Phenol-d6	38		16-65
Nitrobenzene-d5	73		42-122
2-Fluorobiphenyl	90		46-121
2,4,6-Tribromophenol	110		45-128
4-Terphenyl-d14	92		47-138

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

**Lab ID:** L2354352-02  
**Client ID:** INFLUENT DW SAMPLE\_20230918  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/18/23 10:00  
**Date Received:** 09/18/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 129,625.1  
**Analytical Date:** 09/22/23 12:51  
**Analyst:** CMM

**Extraction Method:** EPA 625.1  
**Extraction Date:** 09/21/23 19:32

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Semivolatile Organics by GC/MS - Westborough Lab</b>						
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49	1
Naphthalene	ND		ug/l	2.00	0.896	1
Phenol	ND		ug/l	5.00	0.262	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	50		25-87
Phenol-d6	37		16-65
Nitrobenzene-d5	71		42-122
2-Fluorobiphenyl	89		46-121
2,4,6-Tribromophenol	107		45-128
4-Terphenyl-d14	91		47-138

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

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

Analytical Method: 129,625.1  
Analytical Date: 09/22/23 11:00  
Analyst: CMM

Extraction Method: EPA 625.1  
Extraction Date: 09/21/23 19:32

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1830513-1					
1,2,4-Trichlorobenzene	ND		ug/l	5.00	1.49
Naphthalene	ND		ug/l	2.00	0.896
Phenol	ND		ug/l	5.00	0.262

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	53		25-87
Phenol-d6	37		16-65
Nitrobenzene-d5	69		42-122
2-Fluorobiphenyl	87		46-121
2,4,6-Tribromophenol	97		45-128
4-Terphenyl-d14	89		47-138



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1830513-2								
1,2,4-Trichlorobenzene	64		-		57-130	-		50
Naphthalene	66		-		36-120	-		65
Phenol	39		-		17-120	-		64

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	50				25-87
Phenol-d6	37				16-65
Nitrobenzene-d5	67				42-122
2-Fluorobiphenyl	74				46-121
2,4,6-Tribromophenol	82				45-128
4-Terphenyl-d14	76				47-138

# PCBS

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

**Lab ID:** L2354352-01  
**Client ID:** EFFLUENT DW SAMPLE\_20230918  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/18/23 09:00  
**Date Received:** 09/18/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 127,608.3  
**Analytical Date:** 09/22/23 00:22  
**Analyst:** RMP

**Extraction Method:** EPA 608.3  
**Extraction Date:** 09/21/23 07:35  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/21/23  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.050	0.008	1	A
Aroclor 1221	ND		ug/l	0.050	0.011	1	A
Aroclor 1232	ND		ug/l	0.050	0.023	1	A
Aroclor 1242	ND		ug/l	0.050	0.018	1	A
Aroclor 1248	ND		ug/l	0.050	0.023	1	A
Aroclor 1254	ND		ug/l	0.050	0.008	1	A
Aroclor 1260	ND		ug/l	0.050	0.017	1	A
PCBs, Total	ND		ug/l	0.050	0.008	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		37-123	A
Decachlorobiphenyl	50		38-114	A
2,4,5,6-Tetrachloro-m-xylene	55		37-123	B
Decachlorobiphenyl	57		38-114	B

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

**Lab ID:** L2354352-02  
**Client ID:** INFLUENT DW SAMPLE\_20230918  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/18/23 10:00  
**Date Received:** 09/18/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Water  
**Analytical Method:** 127,608.3  
**Analytical Date:** 09/22/23 00:30  
**Analyst:** RMP

**Extraction Method:** EPA 608.3  
**Extraction Date:** 09/21/23 07:35  
**Cleanup Method:** EPA 3665A  
**Cleanup Date:** 09/21/23  
**Cleanup Method:** EPA 3660B  
**Cleanup Date:** 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
<b>Polychlorinated Biphenyls by GC - Westborough Lab</b>							
Aroclor 1016	ND		ug/l	0.050	0.008	1	A
Aroclor 1221	ND		ug/l	0.050	0.011	1	A
Aroclor 1232	ND		ug/l	0.050	0.023	1	A
Aroclor 1242	ND		ug/l	0.050	0.018	1	A
Aroclor 1248	ND		ug/l	0.050	0.023	1	A
Aroclor 1254	ND		ug/l	0.050	0.008	1	A
Aroclor 1260	ND		ug/l	0.050	0.017	1	A
PCBs, Total	ND		ug/l	0.050	0.008	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	52		37-123	A
Decachlorobiphenyl	50		38-114	A
2,4,5,6-Tetrachloro-m-xylene	55		37-123	B
Decachlorobiphenyl	55		38-114	B

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**Method Blank Analysis  
 Batch Quality Control**

Analytical Method: 127,608.3  
 Analytical Date: 09/22/23 00:38  
 Analyst: RMP

Extraction Method: EPA 608.3  
 Extraction Date: 09/21/23 07:35  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/21/23  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/21/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1830135-1						
Aroclor 1016	ND		ug/l	0.050	0.008	A
Aroclor 1221	ND		ug/l	0.050	0.011	A
Aroclor 1232	ND		ug/l	0.050	0.023	A
Aroclor 1242	ND		ug/l	0.050	0.018	A
Aroclor 1248	ND		ug/l	0.050	0.023	A
Aroclor 1254	ND		ug/l	0.050	0.008	A
Aroclor 1260	ND		ug/l	0.050	0.017	A
PCBs, Total	ND		ug/l	0.050	0.008	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		37-123	A
Decachlorobiphenyl	59		38-114	A
2,4,5,6-Tetrachloro-m-xylene	54		37-123	B
Decachlorobiphenyl	65		38-114	B

## Lab Control Sample Analysis

Batch Quality Control

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-02 Batch: WG1830135-2									
Aroclor 1016	60		-		50-140	-		36	A
Aroclor 1260	54		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50				37-123	A
Decachlorobiphenyl	56				38-114	A
2,4,5,6-Tetrachloro-m-xylene	53				37-123	B
Decachlorobiphenyl	63				38-114	B

## METALS

**Project Name:** 65 ECKFORD STREET**Lab Number:** L2354352**Project Number:** 0202156**Report Date:** 09/25/23**SAMPLE RESULTS**

Lab ID: L2354352-01

Date Collected: 09/18/23 09:00

Client ID: EFFLUENT DW SAMPLE\_20230918

Date Received: 09/18/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	09/19/23 07:34	09/19/23 17:10	EPA 3005A	19,200.7	JTS
Copper, Total	0.0086	J	mg/l	0.0100	0.0022	1	09/19/23 07:34	09/19/23 22:42	EPA 3005A	19,200.7	DMB
Lead, Total	ND		mg/l	0.0100	0.0027	1	09/19/23 07:34	09/19/23 17:10	EPA 3005A	19,200.7	JTS
Mercury, Total	0.00013	J	mg/l	0.00020	0.00009	1	09/19/23 09:06	09/22/23 11:29	EPA 245.1	3,245.1	GMG
Nickel, Total	0.0047	J	mg/l	0.0250	0.0024	1	09/19/23 07:34	09/19/23 17:10	EPA 3005A	19,200.7	JTS
Zinc, Total	0.0064		mg/l	0.0050	0.0021	1	09/19/23 07:34	09/19/23 17:10	EPA 3005A	19,200.7	JTS





**Project Name:** 65 ECKFORD STREET**Lab Number:** L2354352**Project Number:** 0202156**Report Date:** 09/25/23**SAMPLE RESULTS**

Lab ID: L2354352-02

Date Collected: 09/18/23 10:00

Client ID: INFLUENT DW SAMPLE\_20230918

Date Received: 09/18/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Cadmium, Total	ND		mg/l	0.0050	0.0010	1	09/19/23 07:34	09/19/23 17:13	EPA 3005A	19,200.7	JTS
Copper, Total	0.0034	J	mg/l	0.0100	0.0022	1	09/19/23 07:34	09/19/23 22:47	EPA 3005A	19,200.7	DMB
Lead, Total	0.0030	J	mg/l	0.0100	0.0027	1	09/19/23 07:34	09/19/23 17:13	EPA 3005A	19,200.7	JTS
Mercury, Total	0.00012	J	mg/l	0.00020	0.00009	1	09/19/23 09:06	09/22/23 11:33	EPA 245.1	3,245.1	GMG
Nickel, Total	ND		mg/l	0.0250	0.0024	1	09/19/23 07:34	09/19/23 17:13	EPA 3005A	19,200.7	JTS
Zinc, Total	0.0096		mg/l	0.0050	0.0021	1	09/19/23 07:34	09/19/23 17:13	EPA 3005A	19,200.7	JTS



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

## Method Blank Analysis Batch Quality Control

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1829020-1									
Cadmium, Total	ND	mg/l	0.0050	0.0010	1	09/19/23 07:34	09/19/23 15:43	19,200.7	JTS
Copper, Total	ND	mg/l	0.0100	0.0022	1	09/19/23 07:34	09/19/23 21:44	19,200.7	DMB
Lead, Total	ND	mg/l	0.0100	0.0027	1	09/19/23 07:34	09/19/23 15:43	19,200.7	JTS
Nickel, Total	ND	mg/l	0.0250	0.0024	1	09/19/23 07:34	09/19/23 15:43	19,200.7	JTS
Zinc, Total	ND	mg/l	0.0050	0.0021	1	09/19/23 07:34	09/19/23 15:43	19,200.7	JTS

### Prep Information

Digestion Method: EPA 3005A

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst	
Total Metals - Mansfield Lab for sample(s): 01-02 Batch: WG1829023-1										
Mercury, Total	0.00010	J	mg/l	0.00020	0.00009	1	09/19/23 09:06	09/22/23 11:13	3,245.1	GMG

### Prep Information

Digestion Method: EPA 245.1

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2354352

**Report Date:** 09/25/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1829020-2								
Cadmium, Total	107		-		85-115	-		
Copper, Total	98		-		85-115	-		
Lead, Total	103		-		85-115	-		
Nickel, Total	104		-		85-115	-		
Zinc, Total	107		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1829023-2								
Mercury, Total	109		-		85-115	-		

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1829020-3    QC Sample: L2353949-01    Client ID: MS Sample</b>												
Cadmium, Total	ND	0.053	0.0536	101		-	-		75-125	-		20
Copper, Total	0.0606	0.25	0.308	99		-	-		75-125	-		20
Lead, Total	ND	0.53	0.553	104		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.491	98		-	-		75-125	-		20
Zinc, Total	0.0237	0.5	0.524	100		-	-		75-125	-		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1829020-7    QC Sample: L2353982-01    Client ID: MS Sample</b>												
Cadmium, Total	ND	0.053	0.0514	97		-	-		75-125	-		20
Copper, Total	0.835	0.25	1.08	98		-	-		75-125	-		20
Lead, Total	0.0027J	0.53	0.519	98		-	-		75-125	-		20
Nickel, Total	0.983	0.5	1.45	93		-	-		75-125	-		20
Zinc, Total	0.0168	0.5	0.514	99		-	-		75-125	-		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1829023-3    QC Sample: L2353999-01    Client ID: MS Sample</b>												
Mercury, Total	ND	2.5	2.478	99		-	-		70-130	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1829020-4 QC Sample: L2353949-01 Client ID: DUP Sample</b>						
Zinc, Total	0.0237	0.0137	mg/l	53	Q	20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1829020-4 QC Sample: L2353949-01 Client ID: DUP Sample</b>						
Copper, Total	0.0606	0.0591	mg/l	3		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1829020-8 QC Sample: L2353982-01 Client ID: DUP Sample</b>						
Cadmium, Total	ND	ND	mg/l	NC		20
Lead, Total	0.0027J	0.0032J	mg/l	NC		20
Nickel, Total	0.983	0.989	mg/l	1		20
Zinc, Total	0.0168	0.0155	mg/l	8		20
<b>Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1829020-8 QC Sample: L2353982-01 Client ID: DUP Sample</b>						
Copper, Total	0.835	0.848	mg/l	2		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

**Lab ID:** L2354352-01  
**Client ID:** EFFLUENT DW SAMPLE\_20230918  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/18/23 09:00  
**Date Received:** 09/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	930		mg/l	13	NA	1.3	-	09/21/23 04:50	121,2540B	DEW
Solids, Total Suspended	9.5		mg/l	5.5	NA	1.1	-	09/19/23 12:47	121,2540D	MRS
Chloride	210		mg/l	10	8.9	10	-	09/21/23 15:13	121,4500CL-E	JER
pH (H)	7.56		SU	-	NA	1	-	09/22/23 17:44	121,4500H+-B	AAS
Nitrogen, Nitrate/Nitrite	0.24		mg/l	0.10	0.046	1	-	09/21/23 06:24	44,353.2	KAF
Total Nitrogen	2.8		mg/l	0.30	0.30	1	-	09/25/23 13:02	107,-	JRO
Nitrogen, Total Kjeldahl	2.61		mg/l	0.300	0.066	1	09/23/23 19:11	09/25/23 10:20	121,4500NH3-H	KEP
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/19/23 23:49	09/24/23 18:18	121,5210B	JRG
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	09/22/23 13:36	09/22/23 16:35	140,1664B	JGM
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	09/19/23 06:45	09/19/23 07:01	121,3500CR-B	JBB



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

**SAMPLE RESULTS**

**Lab ID:** L2354352-02  
**Client ID:** INFLUENT DW SAMPLE\_20230918  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/18/23 10:00  
**Date Received:** 09/18/23  
**Field Prep:** Not Specified

**Sample Depth:**  
**Matrix:** Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	900		mg/l	13	NA	1.3	-	09/21/23 04:50	121,2540B	DEW
Solids, Total Suspended	25.		mg/l	5.0	NA	1	-	09/19/23 12:47	121,2540D	MRS
Chloride	210		mg/l	10	8.9	10	-	09/21/23 15:16	121,4500CL-E	JER
pH (H)	7.41		SU	-	NA	1	-	09/22/23 17:44	121,4500H+-B	AAS
Nitrogen, Nitrate/Nitrite	0.34		mg/l	0.10	0.046	1	-	09/21/23 06:25	44,353.2	KAF
Total Nitrogen	2.8		mg/l	0.30	0.30	1	-	09/25/23 13:02	107,-	JRO
Nitrogen, Total Kjeldahl	2.42		mg/l	0.300	0.066	1	09/23/23 19:11	09/25/23 10:21	121,4500NH3-H	KEP
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/19/23 23:49	09/24/23 18:18	121,5210B	JRG
Non-Polar Material By EPA 1664	1.67	J	mg/l	4.00	1.24	1	09/22/23 13:36	09/22/23 16:36	140,1664B	JGM
Flash Point	>150		deg F	70	NA	1	-	09/22/23 10:00	1,1010A	MRM
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	09/19/23 06:45	09/19/23 07:02	121,3500CR-B	JBB





**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1829049-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	09/19/23 06:45	09/19/23 06:59	121,3500CR-B	JBB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1829158-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	09/19/23 12:47	121,2540D	MRS
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1829431-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	09/19/23 23:49	09/24/23 18:18	121,5210B	JRG
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1830038-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	09/21/23 03:59	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1830054-1										
Solids, Total	ND		mg/l	10	NA	1	-	09/21/23 04:50	121,2540B	DEW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1830358-1										
Chloride	ND		mg/l	1.0	0.89	1	-	09/21/23 14:04	121,4500CL-E	JER
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1830554-1										
Nitrogen, Total Kjeldahl	0.070	J	mg/l	0.300	0.022	1	09/23/23 19:11	09/25/23 08:59	121,4500NH3-H	KEP
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1830810-1										
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	09/22/23 13:36	09/22/23 16:32	140,1664B	JGM

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2354352

**Report Date:** 09/25/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1829049-2								
Chromium, Hexavalent	106		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1829158-2								
Solids, Total Suspended	82		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1829431-2								
CBOD, 5 day	97		-		41-119	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830038-2								
Nitrogen, Nitrate/Nitrite	102		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830054-2								
Solids, Total	98		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830358-2								
Chloride	107		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830554-2								
Nitrogen, Total Kjeldahl	97		-		78-122	-		

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2354352

**Report Date:** 09/25/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830763-1					
Flash Point	100	-	96-104	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830810-2					
Non-Polar Material By EPA 1664	102	-	64-132	-	34
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1830932-1					
pH	100	-	99-101	-	5

### Matrix Spike Analysis Batch Quality Control

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829049-4 QC Sample: L2354352-02 Client ID: INFLUENT DW SAMPLE_20230918												
Chromium, Hexavalent	ND	0.1	0.095	95	-	-	-	-	85-115	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829431-4 QC Sample: L2354352-01 Client ID: EFFLUENT DW SAMPLE_20230918												
CBOD, 5 day	ND	100	94	94	-	-	-	-	36-125	-	-	49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830038-4 QC Sample: L2354772-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	5.7	4	9.8	102	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830358-4 QC Sample: L2352945-01 Client ID: MS Sample												
Chloride	25.	20	42	85	-	-	-	-	58-140	-	-	7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830554-4 QC Sample: L2353767-01 Client ID: MS Sample												
Nitrogen, Total Kjeldahl	25.7	8	33.9	102	-	-	-	-	77-111	-	-	24
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830810-4 QC Sample: L2344660-97 Client ID: MS Sample												
Non-Polar Material By EPA 1664	ND	19.6	16.8	85	-	-	-	-	64-132	-	-	34

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829049-3 QC Sample: L2354352-01 Client ID: EFFLUENT DW SAMPLE_20230918						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829158-3 QC Sample: L2353965-02 Client ID: DUP Sample						
Solids, Total Suspended	500	530	mg/l	6		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829158-4 QC Sample: L2354483-01 Client ID: DUP Sample						
Solids, Total Suspended	140000	150000	mg/l	7		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1829431-3 QC Sample: L2354352-01 Client ID: EFFLUENT DW SAMPLE_20230918						
CBOD, 5 day	ND	ND	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830038-3 QC Sample: L2354772-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	5.7	5.7	mg/l	0		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830054-3 QC Sample: L2354065-14 Client ID: DUP Sample						
Solids, Total	443.	450	mg/l	2		16
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830358-3 QC Sample: L2352945-01 Client ID: DUP Sample						
Chloride	25.	25	mg/l	0		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830554-3 QC Sample: L2353767-01 Client ID: DUP Sample						
Nitrogen, Total Kjeldahl	25.7	26.1	mg/l	2		24

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2354352

Report Date: 09/25/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830763-2 QC Sample: L2353148-01 Client ID: DUP Sample					
Flash Point	<70	<70	deg F	NC	
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830810-3 QC Sample: L2344660-96 Client ID: DUP Sample					
Non-Polar Material By EPA 1664	ND	ND	mg/l	NC	34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1830932-2 QC Sample: L2354352-01 Client ID: EFFLUENT DW SAMPLE_20230918					
pH (H)	7.56	7.61	SU	1	5

**Project Name:** 65 ECKFORD STREET**Lab Number:** L2354352**Project Number:** 0202156**Report Date:** 09/25/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

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

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2354352-01A	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2354352-01B	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2354352-01C	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2354352-01D	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		FLASH()
L2354352-01E	Plastic 250ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L2354352-01F	Plastic 250ml HNO3 preserved	B	<2	<2	2.2	Y	Absent		NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L2354352-01G	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		CBOD5(2)
L2354352-01H	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSC-2540(7),CL-4500(28),HEXCR-3500(1),PH-4500(.01)
L2354352-01J	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSS-2540(7)
L2354352-01K	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		625-NYDEP(7)
L2354352-01L	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		625-NYDEP(7)
L2354352-01M	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCH-608-2L(365)
L2354352-01N	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCH-608-2L(365)
L2354352-01O	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCH-608-2L(365)
L2354352-01P	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCH-608-2L(365)
L2354352-01Q	Amber 1000ml HCl preserved	B	NA		2.2	Y	Absent		NYTPH-1664(28)
L2354352-01R	Amber 1000ml HCl preserved	B	NA		2.2	Y	Absent		NYTPH-1664(28)
L2354352-02A	Vial Na2S2O3 preserved	A	NA		2.7	Y	Absent		624-NYDEP(7)
L2354352-02B	Vial Na2S2O3 preserved	A	NA		2.7	Y	Absent		624-NYDEP(7)
L2354352-02C	Vial Na2S2O3 preserved	A	NA		2.7	Y	Absent		624-NYDEP(7)
L2354352-02D	Amber 250ml unpreserved	A	7	7	2.7	Y	Absent		FLASH()

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Serial\_No:**09252314:10  
**Lab Number:** L2354352  
**Report Date:** 09/25/23

**Container Information**

<b>Container ID</b>	<b>Container Type</b>	<b>Cooler</b>	<b>Initial pH</b>	<b>Final pH</b>	<b>Temp deg C</b>	<b>Pres</b>	<b>Seal</b>	<b>Frozen Date/Time</b>	<b>Analysis(*)</b>
L2354352-02E	Plastic 250ml H2SO4 preserved	A	<2	<2	2.7	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L2354352-02F	Plastic 250ml HNO3 preserved	A	<2	<2	2.7	Y	Absent		NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),PB-UI(180),CU-UI(180)
L2354352-02G	Plastic 950ml unpreserved	A	7	7	2.7	Y	Absent		CBOD5(2)
L2354352-02H	Plastic 950ml unpreserved	A	7	7	2.7	Y	Absent		TSC-2540(7),CL-4500(28),HEXCR-3500(1),PH-4500(.01)
L2354352-02J	Plastic 950ml unpreserved	A	7	7	2.7	Y	Absent		TSS-2540(7)
L2354352-02K	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		625-NYDEP(7)
L2354352-02L	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		625-NYDEP(7)
L2354352-02M	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		NYP CB-608-2L(365)
L2354352-02N	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		NYP CB-608-2L(365)
L2354352-02O	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		NYP CB-608-2L(365)
L2354352-02P	Amber 1000ml Na2S2O3	A	7	7	2.7	Y	Absent		NYP CB-608-2L(365)
L2354352-02Q	Amber 1000ml HCl preserved	A	NA		2.7	Y	Absent		NYTPH-1664(28)
L2354352-02R	Amber 1000ml HCl preserved	A	NA		2.7	Y	Absent		NYTPH-1664(28)



**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 65 ECKFORD STREET  
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**Lab Number:** L2354352  
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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 65 ECKFORD STREET  
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#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 65 ECKFORD STREET  
**Project Number:** 0202156

**Lab Number:** L2354352  
**Report Date:** 09/25/23

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 3 Methods for the Determination of Metals in Environmental Samples, Supplement I. EPA/600/R-94/111. May 1994.
- 19 Inductively Coupled Plasma Atomic Emission Spectrometric Method for Trace Element Analysis of Water and Wastes. Appendix C, Part 136, 40 CFR (Code of Federal Regulations). July 1, 1999 edition.
- 44 Methods for the Determination of Inorganic Substances in Environmental Samples, EPA/600/R-93/100, August 1993.
- 107 Alpha Analytical - In-house calculation method.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 127 Method 608.3: Organochlorine Pesticides and PCBs by GC/HSD, EPA 821-R-16-009, December 2016.
- 128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.
- 129 Method 625.1: Base/Neutrals and Acids by GC/MS, EPA 821-R-16-007, December 2016.
- 140 Method 1664, Revision B: N-Hexane Extractable Material (HEM; Oil & Grease) and Silica Gel Treated N-Hexane Extractable Material (SGT-HEM; Non-polar Material) by Extraction and Gravimetry, EPA-821-R-10-001, February 2010.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II,

Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



# CHAIN OF CUSTODY

PAGE 1 OF 1



Date Rec'd In Lab: **9/19/23**

ALPHA Job #: **2354352**

**Project Information**

Project Name: **65 Eckford**

Project Location: **65 Eckford Street, Brooklyn NY**

Project #: **C202156**

Project Manager: **Mari Cate Conlon**

ALPHA Quote #:

**Reporting Information - Date Del/Deliverables**

FAX  EMAIL  Same as Client Info  PO #:

ADEx  Add'l Deliverables

**Client Information**

Client: **Halay/Aldrich of NY**

Address: **213 West 35th St Floor 7, New York, NY 10123**

Phone:

Facsimile:

Email: **MConlon@halayaldrich.com**

**Regulatory Requirements/Report Limits**

State/Fed Program: **NYC Sanitary and Combined Sewer Discharge** Criteria: **NYC-SEWER**

**MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS**

Yes  No Are MCP Analytical Methods Required?

Yes  No Are CT RCP (Reasonable Confidence Protocols) Required?

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments/Detection Limits:  
Please see attached list.  
Reporting limit must be 85ppt. See attached list.

HA Lab ID (See Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Metastar - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must achieve 85ppt RL	Flash Point	Other Parameters
2354352-01	EFFLUENT WWSAMPLE-20230918	9/18/23	9:00	Water	EN	<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 type="checkbox"/>
2354352-02	Influent WWSAMPLE-20230918	9/18/23	10:00	Water	EN	<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 type="checkbox"/>

**SAMPLE HANDLING**

Filteration  
 Done  
 Not Needed  
 Lab to do

Preservation  
 Lab to do  
 Please specify below

ANSWER QUESTIONS ABOVE!

**OUR PROJECT IS AN MCP or CT RCP?**

Container Type	V	P	P	P	P	A	P	A	A	A	-	-
Preservative	H	C	A	A	A	B	D	H	H	-	-	-

Relinquished By: **Eddy Wong** Date/Time: **9/18/23 12:00**

Received By: **Anthony Green** Date/Time: **9/18/23 12:00**

Relinquished By: **Anthony Green** Date/Time: **9/19/23 09:45**

Received By: **Anthony Green** Date/Time: **9/19/23 09:45**

Please print clearly, legibly and completely. Samples can not be logged in and returned 30 days after collection date until any ambiguities are resolved. All samples are subject to our Payment Terms.

Former Carter Spray Finishing Corp. - BCP Site C224218

10 October 2023

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**ATTACHMENT B**

**Analytical Data for Offsite Sentinel Wells – September 2023**



## ANALYTICAL REPORT

Lab Number:	L2354717
Client:	Haley & Aldrich 213 West 35th Street 7th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	65 ECKFORD
Project Number:	0202156
Report Date:	09/29/23

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

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508-898-9220 (Fax) 508-898-9193 800-624-9220 - [www.alphalab.com](http://www.alphalab.com)





**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

<b>Alpha Sample ID</b>	<b>Client ID</b>	<b>Matrix</b>	<b>Sample Location</b>	<b>Collection Date/Time</b>	<b>Receive Date</b>
L2354717-01	OW-1_20230919	WATER	65 ECKFORD ST, BROOKLYN, NY	09/19/23 10:35	09/19/23
L2354717-02	OW-2_20230919	WATER	65 ECKFORD ST, BROOKLYN, NY	09/19/23 09:20	09/19/23
L2354717-03	EP-6_25	SOIL	65 ECKFORD ST, BROOKLYN, NY	09/19/23 11:00	09/19/23
L2354717-04	TB-04_20230919	WATER	65 ECKFORD ST, BROOKLYN, NY	09/19/23 00:00	09/19/23

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

### Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

**HOLD POLICY** - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

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**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

### Case Narrative (continued)

#### Report Submission

September 29, 2023: This final report includes the results of all requested analyses.

September 25, 2023: This is a preliminary report.

September 21, 2023: This is a preliminary report.


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

#### Total Metals

L2354717-03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by the sample matrix.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 09/29/23

# ORGANICS

# VOLATILES

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-01  
 Client ID: OW-1\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 10:35  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260D  
 Analytical Date: 09/22/23 17:56  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	2.6		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	4.1		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-01  
 Client ID: OW-1\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 10:35  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	1.1	J	ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	2.0	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.0	J	ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	1.6	J	ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

**SAMPLE RESULTS**

Lab ID: L2354717-01

Date Collected: 09/19/23 10:35

Client ID: OW-1\_20230919

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	103		70-130



**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-02  
 Client ID: OW-2\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 09:20  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260D  
 Analytical Date: 09/22/23 18:21  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-02  
 Client ID: OW-2\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 09:20  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-02

Date Collected: 09/19/23 09:20

Client ID: OW-2\_20230919

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	101		70-130

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8260D  
 Analytical Date: 09/21/23 10:10  
 Analyst: JIC  
 Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by EPA 5035 Low - Westborough Lab</b>						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.97	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
1,4-Dioxane	ND		ug/kg	84	37.	1
p-Diethylbenzene	ND		ug/kg	2.1	0.18	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	92		70-130

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-04  
 Client ID: TB-04\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 00:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260D  
 Analytical Date: 09/22/23 12:57  
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-04  
 Client ID: TB-04\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 00:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Volatile Organics by GC/MS - Westborough Lab</b>						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	ND		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1
Naphthalene	ND		ug/l	2.5	0.70	1



Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-04  
 Client ID: TB-04\_20230919  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 00:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,4-Dioxane	ND		ug/l	250	61.	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	102		70-130

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8260D  
Analytical Date: 09/21/23 09:19  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1830337-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8260D  
Analytical Date: 09/21/23 09:19  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1830337-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8260D  
Analytical Date: 09/21/23 09:19  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1830337-5					
p-Chlorotoluene	ND		ug/kg	2.0	0.11
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
1,4-Dioxane	ND		ug/kg	80	35.
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	91		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	90		70-130

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8260D  
Analytical Date: 09/22/23 10:53  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1831106-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8260D  
Analytical Date: 09/22/23 10:53  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1831106-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
1,2-Dichloroethene, Total	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70
tert-Butylbenzene	ND		ug/l	2.5	0.70

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 09/22/23 10:53  
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02,04 Batch: WG1831106-5					
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
1,4-Dioxane	ND		ug/l	250	61.
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	101		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1830337-3 WG1830337-4								
Methylene chloride	81		78		70-130	4		30
1,1-Dichloroethane	81		77		70-130	5		30
Chloroform	82		79		70-130	4		30
Carbon tetrachloride	83		79		70-130	5		30
1,2-Dichloropropane	85		82		70-130	4		30
Dibromochloromethane	93		90		70-130	3		30
1,1,2-Trichloroethane	87		84		70-130	4		30
Tetrachloroethene	91		86		70-130	6		30
Chlorobenzene	92		87		70-130	6		30
Trichlorofluoromethane	82		78		70-139	5		30
1,2-Dichloroethane	85		82		70-130	4		30
1,1,1-Trichloroethane	83		79		70-130	5		30
Bromodichloromethane	84		81		70-130	4		30
trans-1,3-Dichloropropene	90		86		70-130	5		30
cis-1,3-Dichloropropene	90		86		70-130	5		30
1,1-Dichloropropene	86		80		70-130	7		30
Bromoform	84		82		70-130	2		30
1,1,2,2-Tetrachloroethane	84		81		70-130	4		30
Benzene	86		81		70-130	6		30
Toluene	85		79		70-130	7		30
Ethylbenzene	87		82		70-130	6		30
Chloromethane	70		64		52-130	9		30
Bromomethane	81		76		57-147	6		30



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1830337-3 WG1830337-4								
Vinyl chloride	73		67		67-130	9		30
Chloroethane	80		77		50-151	4		30
1,1-Dichloroethene	77		72		65-135	7		30
trans-1,2-Dichloroethene	81		76		70-130	6		30
Trichloroethene	87		83		70-130	5		30
1,2-Dichlorobenzene	96		93		70-130	3		30
1,3-Dichlorobenzene	95		91		70-130	4		30
1,4-Dichlorobenzene	95		91		70-130	4		30
Methyl tert butyl ether	93		91		66-130	2		30
p/m-Xylene	91		86		70-130	6		30
o-Xylene	90		87		70-130	3		30
cis-1,2-Dichloroethene	84		81		70-130	4		30
Dibromomethane	88		86		70-130	2		30
Styrene	90		86		70-130	5		30
Dichlorodifluoromethane	71		65		30-146	9		30
Acetone	71		67		54-140	6		30
Carbon disulfide	75		70		59-130	7		30
2-Butanone	77		76		70-130	1		30
Vinyl acetate	82		77		70-130	6		30
4-Methyl-2-pentanone	78		73		70-130	7		30
1,2,3-Trichloropropane	86		83		68-130	4		30
2-Hexanone	77		72		70-130	7		30
Bromochloromethane	90		90		70-130	0		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1830337-3 WG1830337-4								
2,2-Dichloropropane	82		77		70-130	6		30
1,2-Dibromoethane	95		93		70-130	2		30
1,3-Dichloropropane	92		89		69-130	3		30
1,1,1,2-Tetrachloroethane	94		90		70-130	4		30
Bromobenzene	93		89		70-130	4		30
n-Butylbenzene	90		85		70-130	6		30
sec-Butylbenzene	89		84		70-130	6		30
tert-Butylbenzene	89		85		70-130	5		30
o-Chlorotoluene	88		84		70-130	5		30
p-Chlorotoluene	88		84		70-130	5		30
1,2-Dibromo-3-chloropropane	78		79		68-130	1		30
Hexachlorobutadiene	85		82		67-130	4		30
Isopropylbenzene	88		83		70-130	6		30
p-Isopropyltoluene	91		86		70-130	6		30
Naphthalene	94		92		70-130	2		30
Acrylonitrile	82		79		70-130	4		30
n-Propylbenzene	88		83		70-130	6		30
1,2,3-Trichlorobenzene	95		95		70-130	0		30
1,2,4-Trichlorobenzene	97		94		70-130	3		30
1,3,5-Trimethylbenzene	90		85		70-130	6		30
1,2,4-Trimethylbenzene	91		86		70-130	6		30
1,4-Dioxane	87		90		65-136	3		30
p-Diethylbenzene	91		86		70-130	6		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2354717

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1830337-3 WG1830337-4								
p-Ethyltoluene	90		85		70-130	6		30
1,2,4,5-Tetramethylbenzene	93		89		70-130	4		30
Ethyl ether	96		88		67-130	9		30
trans-1,4-Dichloro-2-butene	89		89		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	87		88		70-130
Toluene-d8	98		96		70-130
4-Bromofluorobenzene	96		95		70-130
Dibromofluoromethane	92		95		70-130

## Lab Control Sample Analysis

### Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1831106-3 WG1831106-4								
Methylene chloride	110		100		70-130	10		20
1,1-Dichloroethane	100		100		70-130	0		20
Chloroform	100		98		70-130	2		20
Carbon tetrachloride	97		95		63-132	2		20
1,2-Dichloropropane	98		98		70-130	0		20
Dibromochloromethane	88		90		63-130	2		20
1,1,2-Trichloroethane	95		98		70-130	3		20
Tetrachloroethene	97		93		70-130	4		20
Chlorobenzene	99		97		75-130	2		20
Trichlorofluoromethane	100		94		62-150	6		20
1,2-Dichloroethane	100		100		70-130	0		20
1,1,1-Trichloroethane	97		96		67-130	1		20
Bromodichloromethane	91		93		67-130	2		20
trans-1,3-Dichloropropene	92		93		70-130	1		20
cis-1,3-Dichloropropene	95		97		70-130	2		20
1,1-Dichloropropene	92		91		70-130	1		20
Bromoform	80		85		54-136	6		20
1,1,2,2-Tetrachloroethane	97		100		67-130	3		20
Benzene	98		95		70-130	3		20
Toluene	98		96		70-130	2		20
Ethylbenzene	96		93		70-130	3		20
Chloromethane	110		100		64-130	10		20
Bromomethane	88		84		39-139	5		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1831106-3 WG1831106-4								
Vinyl chloride	100		96		55-140	4		20
Chloroethane	110		100		55-138	10		20
1,1-Dichloroethene	110		98		61-145	12		20
trans-1,2-Dichloroethene	100		99		70-130	1		20
Trichloroethene	90		84		70-130	7		20
1,2-Dichlorobenzene	99		98		70-130	1		20
1,3-Dichlorobenzene	98		98		70-130	0		20
1,4-Dichlorobenzene	99		98		70-130	1		20
Methyl tert butyl ether	93		97		63-130	4		20
p/m-Xylene	95		90		70-130	5		20
o-Xylene	95		90		70-130	5		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Dibromomethane	100		100		70-130	0		20
1,2,3-Trichloropropane	90		93		64-130	3		20
Acrylonitrile	99		97		70-130	2		20
Styrene	90		85		70-130	6		20
Dichlorodifluoromethane	99		88		36-147	12		20
Acetone	100		98		58-148	2		20
Carbon disulfide	100		98		51-130	2		20
2-Butanone	93		92		63-138	1		20
Vinyl acetate	100		110		70-130	10		20
4-Methyl-2-pentanone	87		92		59-130	6		20
2-Hexanone	83		88		57-130	6		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1831106-3 WG1831106-4								
Bromochloromethane	110		100		70-130	10		20
2,2-Dichloropropane	96		93		63-133	3		20
1,2-Dibromoethane	94		95		70-130	1		20
1,3-Dichloropropane	93		95		70-130	2		20
1,1,1,2-Tetrachloroethane	94		93		64-130	1		20
Bromobenzene	100		100		70-130	0		20
n-Butylbenzene	93		91		53-136	2		20
sec-Butylbenzene	110		110		70-130	0		20
tert-Butylbenzene	98		97		70-130	1		20
o-Chlorotoluene	94		95		70-130	1		20
p-Chlorotoluene	97		96		70-130	1		20
1,2-Dibromo-3-chloropropane	92		95		41-144	3		20
Hexachlorobutadiene	110		110		63-130	0		20
Isopropylbenzene	96		95		70-130	1		20
p-Isopropyltoluene	95		93		70-130	2		20
Naphthalene	100		100		70-130	0		20
n-Propylbenzene	95		95		69-130	0		20
1,2,3-Trichlorobenzene	100		100		70-130	0		20
1,2,4-Trichlorobenzene	110		100		70-130	10		20
1,3,5-Trimethylbenzene	91		91		64-130	0		20
1,2,4-Trimethylbenzene	90		90		70-130	0		20
1,4-Dioxane	110		102		56-162	8		20
p-Diethylbenzene	93		92		70-130	1		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2354717

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02,04 Batch: WG1831106-3 WG1831106-4								
p-Ethyltoluene	97		97		70-130	0		20
1,2,4,5-Tetramethylbenzene	97		98		70-130	1		20
Ethyl ether	95		95		59-134	0		20
trans-1,4-Dichloro-2-butene	84		88		70-130	5		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		101		70-130
Toluene-d8	100		100		70-130
4-Bromofluorobenzene	100		104		70-130
Dibromofluoromethane	103		103		70-130

# SEMIVOLATILES



**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

**SAMPLE RESULTS**

**Lab ID:** L2354717-03  
**Client ID:** EP-6\_25  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/19/23 11:00  
**Date Received:** 09/19/23  
**Field Prep:** Not Specified

**Sample Depth:**

**Matrix:** Soil  
**Analytical Method:** 1,8270E  
**Analytical Date:** 09/21/23 02:36  
**Analyst:** IM  
**Percent Solids:** 82%

**Extraction Method:** EPA 3546  
**Extraction Date:** 09/20/23 04:45

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

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	42.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	49.	1
Benzo(b)fluoranthene	ND		ug/kg	120	34.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	31.	1
Anthracene	ND		ug/kg	120	39.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	460	26.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	38.	1
4-Nitroaniline	ND		ug/kg	200	83.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	38.	1
p-Chloro-m-cresol	ND		ug/kg	200	30.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	66.	1
2-Nitrophenol	ND		ug/kg	430	75.	1
4-Nitrophenol	ND		ug/kg	280	82.	1
2,4-Dinitrophenol	ND		ug/kg	960	93.	1
4,6-Dinitro-o-cresol	ND		ug/kg	520	96.	1
Pentachlorophenol	ND		ug/kg	160	44.	1
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	31.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	290	31.	1

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	85		30-120
2,4,6-Tribromophenol	97		10-136
4-Terphenyl-d14	82		18-120

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Soil  
 Analytical Method: 144,1633  
 Analytical Date: 09/27/23 17:58  
 Analyst: PNB  
 Percent Solids: 82%

Extraction Method: EPA 1633  
 Extraction Date: 09/26/23 08:07  
 Cleanup Method: EPA 1633  
 Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
<b>Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab</b>						
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.796	0.050	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.398	0.056	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.199	0.043	1
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.796	0.080	1
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.199	0.046	1
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.199	0.023	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.199	0.023	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.199	0.059	1
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.199	0.052	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.796	0.278	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.199	0.037	1
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.199	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.199	0.079	1
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.199	0.075	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.796	0.385	1
Perfluoronanesulfonic Acid (PFNS)	ND		ng/g	0.199	0.042	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.199	0.100	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.199	0.051	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.199	0.032	1
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.199	0.043	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.199	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.199	0.041	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.199	0.053	1
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.199	0.106	1
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.796	0.098	1
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.796	0.146	1
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.199	0.038	1

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.796	0.195	1
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.796	0.166	1
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.199	0.100	1
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.199	0.111	1
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	1.99	0.249	1
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	1.99	0.508	1
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.398	0.041	1
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.398	0.031	1
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEEESA)	ND		ng/g	0.398	0.083	1
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.398	0.095	1
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	0.995	0.143	1
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	4.97	0.502	1
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	4.97	1.75	1

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	85		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	88		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	95		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	81		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	92		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	78		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	87		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	80		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	85		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	99		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	76		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	75		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	78		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	74		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	73		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	52		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	76		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	57		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	54		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	59		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	62		20-150

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8270E  
Analytical Date: 09/20/23 09:57  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 09/20/23 01:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatle Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1829486-1					
Acenaphthene	ND		ug/kg	130	17.
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	97	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8270E  
Analytical Date: 09/20/23 09:57  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 09/20/23 01:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1829486-1					
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	21.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	61.



**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8270E  
Analytical Date: 09/20/23 09:57  
Analyst: LJG

Extraction Method: EPA 3546  
Extraction Date: 09/20/23 01:12

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03 Batch: WG1829486-1					
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	76.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	60		25-120
Phenol-d6	56		10-120
Nitrobenzene-d5	49		23-120
2-Fluorobiphenyl	64		30-120
2,4,6-Tribromophenol	32		10-136
4-Terphenyl-d14	66		18-120

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

### Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633  
 Analytical Date: 09/27/23 16:41  
 Analyst: PNB

Extraction Method: EPA 1633  
 Extraction Date: 09/26/23 08:07  
 Cleanup Method: EPA 1633  
 Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1831966-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/g	0.800	0.050
Perfluoropentanoic Acid (PFPeA)	ND		ng/g	0.400	0.056
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/g	0.200	0.043
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	ND		ng/g	0.800	0.081
Perfluorohexanoic Acid (PFHxA)	ND		ng/g	0.200	0.046
Perfluoropentanesulfonic Acid (PFPeS)	ND		ng/g	0.200	0.023
Perfluoroheptanoic Acid (PFHpA)	ND		ng/g	0.200	0.023
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/g	0.200	0.059
Perfluorooctanoic Acid (PFOA)	ND		ng/g	0.200	0.052
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/g	0.800	0.280
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/g	0.200	0.037
Perfluorononanoic Acid (PFNA)	ND		ng/g	0.200	0.078
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/g	0.200	0.079
Perfluorodecanoic Acid (PFDA)	ND		ng/g	0.200	0.075
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/g	0.800	0.387
Perfluorononanesulfonic Acid (PFNS)	ND		ng/g	0.200	0.042
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/g	0.200	0.100
Perfluoroundecanoic Acid (PFUnA)	ND		ng/g	0.200	0.051
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/g	0.200	0.032
Perfluorooctanesulfonamide (PFOSA)	ND		ng/g	0.200	0.043
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/g	0.200	0.082
Perfluorododecanoic Acid (PFDoA)	ND		ng/g	0.200	0.041
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/g	0.200	0.053
Perfluorotetradecanoic Acid (PFTeDA)	ND		ng/g	0.200	0.106
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	ND		ng/g	0.800	0.098
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	ND		ng/g	0.800	0.146
Perfluorododecanesulfonic Acid (PFDoS)	ND		ng/g	0.200	0.038

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 144,1633  
Analytical Date: 09/27/23 16:41  
Analyst: PNB

Extraction Method: EPA 1633  
Extraction Date: 09/26/23 08:07  
Cleanup Method: EPA 1633  
Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1831966-1					
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	ND		ng/g	0.800	0.196
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	ND		ng/g	0.800	0.167
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	ND		ng/g	0.200	0.100
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	ND		ng/g	0.200	0.112
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	ND		ng/g	2.00	0.250
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	ND		ng/g	2.00	0.510
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	ND		ng/g	0.400	0.041
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	ND		ng/g	0.400	0.031
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	ND		ng/g	0.400	0.083
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	ND		ng/g	0.400	0.095
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	ND		ng/g	1.00	0.144
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	ND		ng/g	5.00	0.505
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	ND		ng/g	5.00	1.76

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

### Method Blank Analysis Batch Quality Control

Analytical Method: 144,1633  
Analytical Date: 09/27/23 16:41  
Analyst: PNB

Extraction Method: EPA 1633  
Extraction Date: 09/26/23 08:07  
Cleanup Method: EPA 1633  
Cleanup Date: 09/26/23

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab for sample(s): 03 Batch: WG1831966-1					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	82		20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	87		20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	92		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	85		20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	88		20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	72		20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	86		20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	88		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	76		20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	81		20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	83		20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	78		20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	89		20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	67		20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	74		20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	71		20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	64		20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	67		20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	50		20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	71		20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	48		20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	47		20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	61		20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	60		20-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1829486-2 WG1829486-3								
Acenaphthene	54		63		31-137	15		50
1,2,4-Trichlorobenzene	62		71		38-107	14		50
Hexachlorobenzene	56		62		40-140	10		50
Bis(2-chloroethyl)ether	52		56		40-140	7		50
2-Chloronaphthalene	62		70		40-140	12		50
1,2-Dichlorobenzene	62		67		40-140	8		50
1,3-Dichlorobenzene	60		64		40-140	6		50
1,4-Dichlorobenzene	61		66		28-104	8		50
3,3'-Dichlorobenzidine	48		50		40-140	4		50
2,4-Dinitrotoluene	67		77		40-132	14		50
2,6-Dinitrotoluene	67		76		40-140	13		50
Fluoranthene	62		67		40-140	8		50
4-Chlorophenyl phenyl ether	61		70		40-140	14		50
4-Bromophenyl phenyl ether	60		67		40-140	11		50
Bis(2-chloroisopropyl)ether	53		59		40-140	11		50
Bis(2-chloroethoxy)methane	52		59		40-117	13		50
Hexachlorobutadiene	64		73		40-140	13		50
Hexachlorocyclopentadiene	64		72		40-140	12		50
Hexachloroethane	55		62		40-140	12		50
Isophorone	52		57		40-140	9		50
Naphthalene	59		66		40-140	11		50
Nitrobenzene	50		56		40-140	11		50
NDPA/DPA	61		68		36-157	11		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1829486-2 WG1829486-3								
n-Nitrosodi-n-propylamine	52		57		32-121	9		50
Bis(2-ethylhexyl)phthalate	70		79		40-140	12		50
Butyl benzyl phthalate	69		74		40-140	7		50
Di-n-butylphthalate	63		70		40-140	11		50
Di-n-octylphthalate	74		81		40-140	9		50
Diethyl phthalate	61		69		40-140	12		50
Dimethyl phthalate	66		73		40-140	10		50
Benzo(a)anthracene	61		68		40-140	11		50
Benzo(a)pyrene	65		73		40-140	12		50
Benzo(b)fluoranthene	59		67		40-140	13		50
Benzo(k)fluoranthene	59		66		40-140	11		50
Chrysene	63		70		40-140	11		50
Acenaphthylene	64		71		40-140	10		50
Anthracene	60		66		40-140	10		50
Benzo(ghi)perylene	59		68		40-140	14		50
Fluorene	59		67		40-140	13		50
Phenanthrene	58		63		40-140	8		50
Dibenzo(a,h)anthracene	61		71		40-140	15		50
Indeno(1,2,3-cd)pyrene	62		72		40-140	15		50
Pyrene	63		67		35-142	6		50
Biphenyl	65		72		37-127	10		50
4-Chloroaniline	40		40		40-140	0		50
2-Nitroaniline	70		80		47-134	13		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1829486-2 WG1829486-3								
3-Nitroaniline	49		55		26-129	12		50
4-Nitroaniline	58		64		41-125	10		50
Dibenzofuran	60		68		40-140	13		50
2-Methylnaphthalene	62		69		40-140	11		50
1,2,4,5-Tetrachlorobenzene	66		74		40-117	11		50
Acetophenone	59		66		14-144	11		50
2,4,6-Trichlorophenol	66		73		30-130	10		50
p-Chloro-m-cresol	58		66		26-103	13		50
2-Chlorophenol	64		71		25-102	10		50
2,4-Dichlorophenol	68		76		30-130	11		50
2,4-Dimethylphenol	60		65		30-130	8		50
2-Nitrophenol	66		76		30-130	14		50
4-Nitrophenol	54		61		11-114	12		50
2,4-Dinitrophenol	45		56		4-130	22		50
4,6-Dinitro-o-cresol	80		87		10-130	8		50
Pentachlorophenol	47		56		17-109	17		50
Phenol	56		62		26-90	10		50
2-Methylphenol	58		67		30-130.	14		50
3-Methylphenol/4-Methylphenol	59		65		30-130	10		50
2,4,5-Trichlorophenol	69		78		30-130	12		50
Benzoic Acid	17		21		10-110	21		50
Benzyl Alcohol	56		60		40-140	7		50
Carbazole	59		65		54-128	10		50

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03 Batch: WG1829486-2 WG1829486-3								
1,4-Dioxane	45		48		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	59		63		25-120
Phenol-d6	57		63		10-120
Nitrobenzene-d5	50		54		23-120
2-Fluorobiphenyl	61		67		30-120
2,4,6-Tribromophenol	49		57		10-136
4-Terphenyl-d14	59		64		18-120



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	Low Level LCS	Qual	Low Level LCSD	Qual	%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery		%Recovery					
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-2 LOW LEVEL								
Perfluorobutanoic Acid (PFBA)	103		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	108		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	102		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	105		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	107		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	90		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	107		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	92		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	98		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	96		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	95		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	88		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	100		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	104		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	96		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	102		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	115		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	86		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	102		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	87		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	110		-		40-150	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	Low Level LCS	Qual	Low Level LCSD	Qual	%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery		%Recovery					
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-2 LOW LEVEL								
Perfluorotridecanoic Acid (PFTTrDA)	101		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTeDA)	93		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	100		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	109		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	86		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	125		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	124		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	94		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	91		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	101		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	103		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	106		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	103		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	115		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	74		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	89		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	93		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	90		-		40-150	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	Low Level LCS		Low Level LCSD		%Recovery Limits	RPD	RPD	
	%Recovery	Qual	%Recovery	Qual			Qual	Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-2 LOW LEVEL								

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	87				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	91				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	91				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	84				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	90				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	74				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	96				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	89				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	88				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	86				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	82				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	104				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	70				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	76				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	66				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	62				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	57				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	76				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	56				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	51				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	62				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	61				20-150

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS	Qual	LCS	Qual	%Recovery	RPD	Qual	RPD
	%Recovery		%Recovery		Limits			Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-3								
Perfluorobutanoic Acid (PFBA)	90		-		40-150	-		30
Perfluoropentanoic Acid (PFPeA)	88		-		40-150	-		30
Perfluorobutanesulfonic Acid (PFBS)	86		-		40-150	-		30
1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	91		-		40-150	-		30
Perfluorohexanoic Acid (PFHxA)	91		-		40-150	-		30
Perfluoropentanesulfonic Acid (PFPeS)	84		-		40-150	-		30
Perfluoroheptanoic Acid (PFHpA)	77		-		40-150	-		30
Perfluorohexanesulfonic Acid (PFHxS)	84		-		40-150	-		30
Perfluorooctanoic Acid (PFOA)	88		-		40-150	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	83		-		40-150	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	84		-		40-150	-		30
Perfluorononanoic Acid (PFNA)	85		-		40-150	-		30
Perfluorooctanesulfonic Acid (PFOS)	83		-		40-150	-		30
Perfluorodecanoic Acid (PFDA)	84		-		40-150	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	89		-		40-150	-		30
Perfluorononanesulfonic Acid (PFNS)	83		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		-		40-150	-		30
Perfluoroundecanoic Acid (PFUnA)	92		-		40-150	-		30
Perfluorodecanesulfonic Acid (PFDS)	78		-		40-150	-		30
Perfluorooctanesulfonamide (PFOSA)	87		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	92		-		40-150	-		30
Perfluorododecanoic Acid (PFDoA)	90		-		40-150	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-3								
Perfluorotridecanoic Acid (PFTTrDA)	89		-		40-150	-		30
Perfluorotetradecanoic Acid (PFTTeDA)	87		-		40-150	-		30
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	89		-		40-150	-		30
4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	96		-		40-150	-		30
Perfluorododecanesulfonic Acid (PFDoS)	86		-		40-150	-		30
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	101		-		40-150	-		30
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUS)	104		-		40-150	-		30
N-Methyl Perfluorooctane Sulfonamide (NMeFOSA)	85		-		40-150	-		30
N-Ethyl Perfluorooctane Sulfonamide (NEtFOSA)	85		-		40-150	-		30
N-Methyl Perfluorooctanesulfonamido Ethanol (NMeFOSE)	84		-		40-150	-		30
N-Ethyl Perfluorooctanesulfonamido Ethanol (NEtFOSE)	84		-		40-150	-		30
Perfluoro-3-Methoxypropanoic Acid (PFMPA)	95		-		40-150	-		30
Perfluoro-4-Methoxybutanoic Acid (PFMBA)	90		-		40-150	-		30
Perfluoro(2-Ethoxyethane)Sulfonic Acid (PFEESA)	90		-		40-150	-		30
Nonafluoro-3,6-Dioxaheptanoic Acid (NFDHA)	67		-		40-150	-		30
3-Perfluoropropyl Propanoic Acid (3:3FTCA)	81		-		40-150	-		30
2H,2H,3H,3H-Perfluorooctanoic Acid (5:3FTCA)	78		-		40-150	-		30
3-Perfluoroheptyl Propanoic Acid (7:3FTCA)	72		-		40-150	-		30

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits	Qual		Limits	
Perfluorinated Alkyl Acids by EPA 1633 - Mansfield Lab Associated sample(s): 03 Batch: WG1831966-3									

Surrogate	LCS		LCSD		Acceptance Criteria
	%Recovery	Qual	%Recovery	Qual	
Perfluoro-n-[13C4]Butanoic Acid (13C4-PFBA)	89				20-150
Perfluoro-n-[13C5]Pentanoic Acid (13C5-PFPeA)	92				20-150
Perfluoro-1-[2,3,4-13C3]Butanesulfonic Acid (13C3-PFBS)	90				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Hexanesulfonic Acid (13C2-4:2FTS)	86				20-150
Perfluoro-n-[1,2,3,4,6-13C5]Hexanoic Acid (13C5-PFHxA)	91				20-150
Perfluoro-n-[1,2,3,4-13C4]Heptanoic Acid (13C4-PFHpA)	94				20-150
Perfluoro-1-[1,2,3-13C3]Hexanesulfonic Acid (13C3-PFHxS)	90				20-150
Perfluoro-n-[13C8]Octanoic Acid (13C8-PFOA)	89				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Octanesulfonic Acid (13C2-6:2FTS)	89				20-150
Perfluoro-n-[13C9]Nonanoic Acid (13C9-PFNA)	83				20-150
Perfluoro-1-[13C8]Octanesulfonic Acid (13C8-PFOS)	89				20-150
Perfluoro-n-[1,2,3,4,5,6-13C6]Decanoic Acid (13C6-PFDA)	94				20-150
1H,1H,2H,2H-Perfluoro-1-[1,2-13C2]Decanesulfonic Acid (13C2-8:2FTS)	98				20-150
N-Methyl-d3-perfluoro-1-octanesulfonamidoacetic Acid (D3-NMeFOSAA)	71				20-150
Perfluoro-n-[1,2,3,4,5,6,7-13C7]Undecanoic Acid (13C7-PFUnA)	78				20-150
Perfluoro-1-[13C8]Octanesulfonamide (13C8-PFOSA)	80				20-150
N-Ethyl-d5-perfluoro-1-octanesulfonamidoacetic Acid (D5-NEtFOSAA)	67				20-150
Perfluoro-n-[1,2-13C2]Dodecanoic Acid (13C2-PFDoA)	74				20-150
Perfluoro-n-[1,2-13C2]Tetradecanoic Acid (13C2-PFTeDA)	64				20-150
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic acid (13C3-HFPO-DA)	77				20-150
N-Methyl-d3-Perfluoro-1-Octanesulfonamide (D3-NMeFOSA)	56				20-150
N-Ethyl-d5-Perfluoro-1-Octanesulfonamide (D5-NEtFOSA)	52				20-150
N-Methyl-d7-Perfluorooctanesulfonamidoethanol (D7-NMeFOSE)	62				20-150
N-Ethyl-d9-Perfluorooctanesulfonamidoethanol (D9-NEtFOSE)	62				20-150

# PCBS

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8082A  
 Analytical Date: 09/20/23 18:55  
 Analyst: AD  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/23 03:23  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 09/20/23  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	58.5	5.19	1	A
Aroclor 1221	ND		ug/kg	58.5	5.86	1	A
Aroclor 1232	ND		ug/kg	58.5	12.4	1	A
Aroclor 1242	ND		ug/kg	58.5	7.88	1	A
Aroclor 1248	ND		ug/kg	58.5	8.77	1	A
Aroclor 1254	ND		ug/kg	58.5	6.40	1	A
Aroclor 1260	ND		ug/kg	58.5	10.8	1	A
Aroclor 1262	ND		ug/kg	58.5	7.42	1	A
Aroclor 1268	ND		ug/kg	58.5	6.06	1	A
PCBs, Total	ND		ug/kg	58.5	5.19	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	95		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	104		30-150	B



**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8082A  
Analytical Date: 09/19/23 11:39  
Analyst: AD

Extraction Method: EPA 3546  
Extraction Date: 09/19/23 03:42  
Cleanup Method: EPA 3665A  
Cleanup Date: 09/19/23  
Cleanup Method: EPA 3660B  
Cleanup Date: 09/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03 Batch: WG1828987-1						
Aroclor 1016	ND		ug/kg	45.6	4.05	A
Aroclor 1221	ND		ug/kg	45.6	4.57	A
Aroclor 1232	ND		ug/kg	45.6	9.66	A
Aroclor 1242	ND		ug/kg	45.6	6.14	A
Aroclor 1248	ND		ug/kg	45.6	6.84	A
Aroclor 1254	ND		ug/kg	45.6	4.99	A
Aroclor 1260	ND		ug/kg	45.6	8.42	A
Aroclor 1262	ND		ug/kg	45.6	5.79	A
Aroclor 1268	ND		ug/kg	45.6	4.72	A
PCBs, Total	ND		ug/kg	45.6	4.05	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	54		30-150	B

### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03 Batch: WG1828987-2 WG1828987-3									
Aroclor 1016	66		69		40-140	4		50	A
Aroclor 1260	49		51		40-140	4		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	A
Decachlorobiphenyl	52		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	65		67		30-150	B
Decachlorobiphenyl	52		55		30-150	B

# PESTICIDES

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03  
 Client ID: EP-6\_25  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 09/19/23 11:00  
 Date Received: 09/19/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil  
 Analytical Method: 1,8081B  
 Analytical Date: 09/21/23 10:44  
 Analyst: AKM  
 Percent Solids: 82%

Extraction Method: EPA 3546  
 Extraction Date: 09/20/23 04:39  
 Cleanup Method: EPA 3620B  
 Cleanup Date: 09/20/23  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 09/20/23

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.932	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	ND		ug/kg	1.86	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.370	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.5	6.17	1	A

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**SAMPLE RESULTS**

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

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

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	90		30-150	A
2,4,5,6-Tetrachloro-m-xylene	90		30-150	B
Decachlorobiphenyl	91		30-150	B

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8081B  
Analytical Date: 09/20/23 12:06  
Analyst: AKM

Extraction Method: EPA 3546  
Extraction Date: 09/19/23 12:42  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/19/23  
Cleanup Method: EPA 3660B  
Cleanup Date: 09/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1829250-1						
Delta-BHC	ND		ug/kg	1.53	0.300	A
Lindane	ND		ug/kg	0.639	0.286	A
Alpha-BHC	ND		ug/kg	0.639	0.181	A
Beta-BHC	ND		ug/kg	1.53	0.581	A
Heptachlor	ND		ug/kg	0.767	0.344	A
Aldrin	ND		ug/kg	1.53	0.540	A
Heptachlor epoxide	ND		ug/kg	2.88	0.863	A
Endrin	ND		ug/kg	0.639	0.262	A
Endrin aldehyde	ND		ug/kg	1.92	0.671	A
Endrin ketone	ND		ug/kg	1.53	0.395	A
Dieldrin	ND		ug/kg	0.958	0.479	A
4,4'-DDE	ND		ug/kg	1.53	0.355	A
4,4'-DDD	ND		ug/kg	1.53	0.547	A
4,4'-DDT	ND		ug/kg	1.53	1.23	A
Endosulfan I	ND		ug/kg	1.53	0.362	A
Endosulfan II	ND		ug/kg	1.53	0.512	A
Endosulfan sulfate	ND		ug/kg	0.639	0.304	A
Methoxychlor	ND		ug/kg	2.88	0.894	A
Toxaphene	ND		ug/kg	28.8	8.05	A
cis-Chlordane	ND		ug/kg	1.92	0.534	A
trans-Chlordane	ND		ug/kg	1.92	0.506	A
Chlordane	ND		ug/kg	12.8	5.08	A

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

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

Analytical Method: 1,8081B  
Analytical Date: 09/20/23 12:06  
Analyst: AKM

Extraction Method: EPA 3546  
Extraction Date: 09/19/23 12:42  
Cleanup Method: EPA 3620B  
Cleanup Date: 09/19/23  
Cleanup Method: EPA 3660B  
Cleanup Date: 09/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03 Batch: WG1829250-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	69		30-150	A
Decachlorobiphenyl	75		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	71		30-150	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1829250-2 WG1829250-3									
Delta-BHC	84		81		30-150	4		30	A
Lindane	77		74		30-150	4		30	A
Alpha-BHC	79		75		30-150	5		30	A
Beta-BHC	74		72		30-150	3		30	A
Heptachlor	76		72		30-150	5		30	A
Aldrin	76		72		30-150	5		30	A
Heptachlor epoxide	72		70		30-150	3		30	A
Endrin	80		76		30-150	5		30	A
Endrin aldehyde	62		62		30-150	0		30	A
Endrin ketone	86		83		30-150	4		30	A
Dieldrin	86		82		30-150	5		30	A
4,4'-DDE	80		75		30-150	6		30	A
4,4'-DDD	85		80		30-150	6		30	A
4,4'-DDT	86		80		30-150	7		30	A
Endosulfan I	78		74		30-150	5		30	A
Endosulfan II	82		78		30-150	5		30	A
Endosulfan sulfate	79		77		30-150	3		30	A
Methoxychlor	82		77		30-150	6		30	A
cis-Chlordane	72		69		30-150	4		30	A
trans-Chlordane	84		81		30-150	4		30	A



### Lab Control Sample Analysis Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>%Recovery</i> Limits	<i>RPD</i>	<i>Qual</i>	<i>RPD</i> Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03 Batch: WG1829250-2 WG1829250-3								

<i>Surrogate</i>	<i>LCS</i> %Recovery	<i>Qual</i>	<i>LCSD</i> %Recovery	<i>Qual</i>	<i>Acceptance</i> Criteria	<i>Column</i>
2,4,5,6-Tetrachloro-m-xylene	68		67		30-150	A
Decachlorobiphenyl	76		73		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		72		30-150	B
Decachlorobiphenyl	73		71		30-150	B

## METALS

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

## SAMPLE RESULTS

Lab ID: L2354717-03

Date Collected: 09/19/23 11:00

Client ID: EP-6\_25

Date Received: 09/19/23

Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
<b>Total Metals - Mansfield Lab</b>											
Aluminum, Total	3590		mg/kg	9.43	2.55	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Antimony, Total	ND		mg/kg	4.72	0.358	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Arsenic, Total	2.45		mg/kg	0.943	0.196	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Barium, Total	25.8		mg/kg	0.943	0.164	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Beryllium, Total	0.306	J	mg/kg	0.472	0.031	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.943	0.092	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Calcium, Total	1030		mg/kg	9.43	3.30	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Chromium, Total	11.0		mg/kg	0.943	0.091	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Cobalt, Total	4.82		mg/kg	1.89	0.156	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Copper, Total	11.9		mg/kg	0.943	0.243	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Iron, Total	17500		mg/kg	4.72	0.852	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Lead, Total	4.24	J	mg/kg	4.72	0.253	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Magnesium, Total	1820		mg/kg	9.43	1.45	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Manganese, Total	166		mg/kg	0.943	0.150	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.078	0.051	1	09/20/23 09:00	09/20/23 14:15	EPA 7471B	1,7471B	MJR
Nickel, Total	10.2		mg/kg	2.36	0.228	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Potassium, Total	831		mg/kg	236	13.6	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Selenium, Total	ND		mg/kg	1.89	0.243	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.472	0.267	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Sodium, Total	117	J	mg/kg	189	2.97	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Thallium, Total	0.322	J	mg/kg	1.89	0.297	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Vanadium, Total	19.7		mg/kg	0.943	0.191	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF
Zinc, Total	23.0		mg/kg	4.72	0.276	2	09/20/23 07:55	09/20/23 12:06	EPA 3050B	1,6010D	JMF



Project Name: 65 ECKFORD  
Project Number: 0202156

Lab Number: L2354717  
Report Date: 09/29/23

## Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1829546-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Antimony, Total	0.191	J	mg/kg	2.00	0.152	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Barium, Total	ND		mg/kg	0.400	0.070	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Copper, Total	ND		mg/kg	0.400	0.103	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Iron, Total	0.524	J	mg/kg	2.00	0.361	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Lead, Total	ND		mg/kg	2.00	0.107	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Potassium, Total	ND		mg/kg	100	5.76	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Silver, Total	ND		mg/kg	0.200	0.113	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Sodium, Total	ND		mg/kg	80.0	1.26	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/20/23 07:55	09/20/23 11:26	1,6010D	JMF

### Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03 Batch: WG1829550-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/20/23 09:00	09/20/23 14:01	1,7471B	MJR



**Project Name:** 65 ECKFORD

**Lab Number:** L2354717

**Project Number:** 0202156

**Report Date:** 09/29/23

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

### **Prep Information**

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Digestion Method: EPA 7471B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2354717

Project Number: 0202156

Report Date: 09/29/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1829546-2 SRM Lot Number: D119-540								
Aluminum, Total	90		-		48-152	-		
Antimony, Total	179		-		10-190	-		
Arsenic, Total	113		-		83-117	-		
Barium, Total	114		-		82-118	-		
Beryllium, Total	110		-		83-117	-		
Cadmium, Total	102		-		82-117	-		
Calcium, Total	106		-		81-118	-		
Chromium, Total	107		-		82-119	-		
Cobalt, Total	107		-		83-117	-		
Copper, Total	104		-		84-116	-		
Iron, Total	112		-		60-140	-		
Lead, Total	113		-		82-118	-		
Magnesium, Total	105		-		76-124	-		
Manganese, Total	109		-		82-118	-		
Nickel, Total	106		-		82-117	-		
Potassium, Total	108		-		70-130	-		
Selenium, Total	116		-		79-121	-		
Silver, Total	116		-		80-120	-		
Sodium, Total	118		-		74-126	-		
Thallium, Total	111		-		81-119	-		
Vanadium, Total	106		-		79-121	-		

## Lab Control Sample Analysis

Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2354717

Report Date: 09/29/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1829546-2 SRM Lot Number: D119-540					
Zinc, Total	111	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 03 Batch: WG1829550-2 SRM Lot Number: D119-540					
Mercury, Total	108	-	73-127	-	

### Matrix Spike Analysis Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03    QC Batch ID: WG1829546-3    QC Sample: L2354952-01    Client ID: MS Sample												
Aluminum, Total	11200	181	10300	0	Q	-	-		75-125	-		20
Antimony, Total	0.248J	45.3	46.8	103		-	-		75-125	-		20
Arsenic, Total	6.20	10.9	23.8	162	Q	-	-		75-125	-		20
Barium, Total	92.2	181	253	89		-	-		75-125	-		20
Beryllium, Total	0.318	4.53	4.49	92		-	-		75-125	-		20
Cadmium, Total	0.154J	4.8	4.30	90		-	-		75-125	-		20
Calcium, Total	1490	906	2810	146	Q	-	-		75-125	-		20
Chromium, Total	21.2	18.1	38.0	93		-	-		75-125	-		20
Cobalt, Total	6.66	45.3	46.0	87		-	-		75-125	-		20
Copper, Total	26.6	22.6	48.2	95		-	-		75-125	-		20
Iron, Total	15100	90.6	13000	0	Q	-	-		75-125	-		20
Lead, Total	56.2	48	78.8	47	Q	-	-		75-125	-		20
Magnesium, Total	4300	906	5300	110		-	-		75-125	-		20
Manganese, Total	176	45.3	194	40	Q	-	-		75-125	-		20
Nickel, Total	16.0	45.3	55.0	86		-	-		75-125	-		20
Potassium, Total	2920	906	3410	54	Q	-	-		75-125	-		20
Selenium, Total	0.528J	10.9	18.7	172	Q	-	-		75-125	-		20
Silver, Total	ND	4.53	4.56	101		-	-		75-125	-		20
Sodium, Total	120	906	1020	99		-	-		75-125	-		20
Thallium, Total	1.69	10.9	16.7	138	Q	-	-		75-125	-		20
Vanadium, Total	30.3	45.3	70.4	88		-	-		75-125	-		20



**Matrix Spike Analysis**  
Batch Quality Control

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

<b>Parameter</b>	<b>Native Sample</b>	<b>MS Added</b>	<b>MS Found</b>	<b>MS %Recovery</b>	<b>MSD Found</b>	<b>MSD %Recovery</b>	<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limits</b>
Total Metals - Mansfield Lab Associated sample(s): 03    QC Batch ID: WG1829546-3    QC Sample: L2354952-01    Client ID: MS Sample									
Zinc, Total	125	45.3	172	104	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03    QC Batch ID: WG1829550-3    QC Sample: L2354717-03    Client ID: EP-6_25									
Mercury, Total	ND	1.53	1.63	106	-	-	80-120	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1829546-4 QC Sample: L2354952-01 Client ID: DUP Sample						
Lead, Total	56.2	38.9	mg/kg	36	Q	20
Nickel, Total	16.0	14.6	mg/kg	9		20
Zinc, Total	125	108	mg/kg	15		20
Total Metals - Mansfield Lab Associated sample(s): 03 QC Batch ID: WG1829550-4 QC Sample: L2354717-03 Client ID: EP-6_25						
Mercury, Total	ND	ND	mg/kg	NC		20

# **INORGANICS & MISCELLANEOUS**

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

**SAMPLE RESULTS**

**Lab ID:** L2354717-03  
**Client ID:** EP-6\_25  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 09/19/23 11:00  
**Date Received:** 09/19/23  
**Field Prep:** Not Specified

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

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
<b>General Chemistry - Westborough Lab</b>										
Solids, Total	82.0		%	0.100	NA	1	-	09/20/23 07:33	121,2540G	ROI



## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1829583-1 QC Sample: L2352263-02 Client ID: DUP Sample						
Solids, Total	84.7	84.1	%	1		20

**Project Name:** 65 ECKFORD**Lab Number:** L2354717**Project Number:** 0202156**Report Date:** 09/29/23**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

**Cooler Information**

Cooler	Custody Seal
A	Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2354717-01A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-01B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-01C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-02A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-02B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-02C	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-03A	Vial MeOH preserved	A	NA		4.3	Y	Absent		NYTCL-8260HLW(14)
L2354717-03B	Vial water preserved	A	NA		4.3	Y	Absent	20-SEP-23 03:01	NYTCL-8260HLW(14)
L2354717-03C	Vial water preserved	A	NA		4.3	Y	Absent	20-SEP-23 03:01	NYTCL-8260HLW(14)
L2354717-03D	Plastic 2oz unpreserved for TS	A	NA		4.3	Y	Absent		TS(7)
L2354717-03D1	Plastic 120ml unpreserved	A	NA		4.3	Y	Absent		TS(7)
L2354717-03F	Metals Only-Glass 60mL/2oz unpreserved	A	NA		4.3	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),TL-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),SE-TI(180),PB-TI(180),ZN-TI(180),SB-TI(180),CU-TI(180),V-TI(180),CO-TI(180),MG-TI(180),HG-T(28),FE-TI(180),MN-TI(180),NA-TI(180),CD-TI(180),CA-TI(180),K-TI(180)
L2354717-03G	Glass 250ml/8oz unpreserved	A	NA		4.3	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(365)
L2354717-03H	Plastic 8oz unpreserved	A	NA		4.3	Y	Absent		A2-1633-DRAFT(90)
L2354717-04A	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)
L2354717-04B	Vial HCl preserved	A	NA		4.3	Y	Absent		NYTCL-8260(14)

Project Name: 65 ECKFORD

Project Number: 0202156

Serial\_No:09292312:21  
Lab Number: L2354717

Report Date: 09/29/23

## PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
<b>PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)</b>		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA/PFTeDA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
<b>PERFLUOROALKYL SULFONIC ACIDS (PFSAs)</b>		
Perfluorododecanesulfonic Acid	PFDoDS/PFDoS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
Perfluoropropanesulfonic Acid	PFPrS	423-41-6
<b>FLUOROTELOMERS</b>		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
<b>PERFLUOROALKANE SULFONAMIDES (FASAs)</b>		
Perfluorooctanesulfonamide	FOSA/PFOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
<b>PERFLUOROALKANE SULFONYL SUBSTANCES</b>		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
<b>PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS</b>		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
<b>CHLORO-PERFLUOROALKYL SULFONIC ACIDS</b>		
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
<b>PERFLUOROETHER SULFONIC ACIDS (PFESAs)</b>		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEA	113507-82-7
<b>PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)</b>		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

Serial\_No:09292312:21  
**Lab Number:** L2354717  
**Report Date:** 09/29/23

### PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
FLUOROTELOMER CARBOXYLIC ACIDS (FTCAs)		
3-Perfluoroheptyl Propanoic Acid	7:3FTCA	812-70-4
2H,2H,3H,3H-Perfluorooctanoic Acid	5:3FTCA	914637-49-3
3-Perfluoropropyl Propanoic Acid	3:3FTCA	356-02-5



**Project Name:** 65 ECKFORD  
**Project Number:** 0202156

**Lab Number:** L2354717  
**Report Date:** 09/29/23

## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 65 ECKFORD  
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### Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

### Terms

**Analytical Method:** Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

**Chlordane:** The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

**Difference:** With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

**Final pH:** As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

**Frozen Date/Time:** With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

**Gasoline Range Organics (GRO):** Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

**Initial pH:** As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

**PAH Total:** With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

**PFAS Total:** With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

**Total:** With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

### Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers



**Project Name:** 65 ECKFORD  
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#### Data Qualifiers

Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

**Project Name:** 65 ECKFORD  
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## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 144 Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS. Draft EPA Method 1633, EPA Document 821-D-22-001, June 2022.

## LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



## Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

### Westborough Facility

**EPA 624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625.1:** alpha-Terpineol

**EPA 8260D:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

**EPA 8270E:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO<sub>2</sub>, NO<sub>3</sub>.

### Mansfield Facility

**SM 2540D:** TSS.

**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

### Westborough Facility:

#### Drinking Water

**EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,**

**EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

**Microbiology: SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

#### Non-Potable Water

**SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**

Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,**

**SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

**EPA 624.1:** Volatile Halocarbons & Aromatics,

**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables).

**Microbiology: SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

### Mansfield Facility:

#### Drinking Water

**EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.**

**EPA 522, EPA 537.1.**

#### Non-Potable Water

**EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.


**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

**EPA 245.1 Hg.**

**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



	<b>NEW YORK CHAIN OF CUSTODY</b>	<b>Service Centers</b> Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page <u>1</u> of <u>1</u>	Date Rec'd in Lab <u>9/20/23</u>	ALPHA Job # <u>L2354717</u>		
	Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	<b>Project Information</b> Project Name: <u>GS Eckford</u> Project Location: <u>65 Eckford St, Brooklyn NY</u> Project # <u>0202156</u> (Use Project name as Project #) <input type="checkbox"/>		<b>Deliverables</b> <input type="checkbox"/> ASP-A <input checked="" type="checkbox"/> ASP-B <input type="checkbox"/> EQUIS (1 File) <input type="checkbox"/> EQUIS (4 File) <input type="checkbox"/> Other		
<b>Client Information</b> Client: <u>Haley &amp; Alinch - NY</u> Address: <u>222 West 23rd St, New York, NY 10013</u> Phone: _____ Fax: _____ Email: <u>MConboy@haleyalinch.com</u>		<b>Project Manager:</b> <u>Maxi Cato Conlon</u> ALPHAQuote #: _____ Turn-Around Time Standard <input type="checkbox"/> Due Date: _____ Rush (only if pre approved) <input checked="" type="checkbox"/> # of Days: _____		<b>Regulatory Requirement</b> <input type="checkbox"/> NY TOGS <input checked="" type="checkbox"/> NY Part 375 <input checked="" type="checkbox"/> AWQ Standards <input type="checkbox"/> NY CP-51 <input checked="" type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input checked="" type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge			
These samples have been previously analyzed by Alpha <input type="checkbox"/>		<b>Other project specific requirements/comments:</b> <u>EP-6-25 2 day TAT and 10 day PFAS</u>		<b>ANALYSIS</b>			
Please specify Metals or TAL.		Please identify below location of applicable disposal facilities. Disposal Facility: <input type="checkbox"/> NJ <input type="checkbox"/> NY <input type="checkbox"/> Other: _____		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <input type="checkbox"/> Lab to do (Please Specify below)			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date    Time	Sample Matrix	Sampler's Initials	VOCs NPTL SVOCs Total Metals Pesticides PCBs PFAS (1633) 1,4 Dioxane	Sample Specific Comments	
<u>54717-01</u>	<u>OW-1-20230919</u>	<u>9/19/23</u> <u>10:35</u>	<u>GW</u>	<u>EN</u>	<input checked="" type="checkbox"/>		
<u>-02</u>	<u>OW-2-20230919</u>	<u>9/19/23</u> <u>9:20</u>	<u>GW</u>	<u>EN</u>	<input checked="" type="checkbox"/>		
<u>-03</u>	<u>EP-6-25</u>	<u>9/19/23</u> <u>11:00</u>	<u>S</u>	<u>EN</u>	<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"/>	
<u>-04</u>	<u>TB-04-20230919</u>	<u>9/19/23</u>	<u>TB</u>	<u>EN</u>	<input checked="" type="checkbox"/>		
Preservative Code: A = None B = HCl C = HNO <sub>3</sub> D = H <sub>2</sub> SO <sub>4</sub> E = NaOH F = MeOH G = NaHSO <sub>4</sub> H = Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative	
Relinquished By: <u>MS MACAN</u>		Date/Time: <u>9/19/23 19:10</u>		Received By: <u>MS MACAN</u>		Date/Time: <u>9/19 12:50</u> <u>9/19 13:40</u> <u>9/19 22:00</u> <u>9/20/23 00:15</u>	

TOTAL BOTTLES

MS MACAN 9/20 00:15

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)