



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

9 November 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 October 2023 to 1 November 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 P. 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 October 2023 to 1 November 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 30 trucks (approx. 600 cubic yards) were loaded with hazardous chromium-impacted soil for disposal at Clean Earth of North Jersey between 1 October 2023 and 1 November 2023.

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

One (1) endpoint was collected during this reporting period, EP-12, and data was submitted to NYDSEC on 24 October 2023. On 18 October 2023, samples were collected from both offsite sentinel wells, OW-1 and OW-2, respectively, and 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 11 October 2023. Results were submitted to NYSDEC as part of the request on 13 October 2023.

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

The remedial action phase is 100% complete.

### **Delays Encountered**

None.

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

Eleven 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 24 October 2023, an updated request for deviation to the groundwater remedy as included in the Decision Document for the Site was submitted to NYSDEC. Approval of the deviation is anticipated in the next reporting period.

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

Continued tie-back installation, completion of soil excavation and load out of offsite disposal 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 – October 2023

Attachment B – Analytical Data for Offsite Sentinel Wells – October 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



**ATTACHMENT A**

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



## ANALYTICAL REPORT

Lab Number:	L2361905
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:	10/26/23

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  
**Project Number:** 0202156

**Lab Number:** L2361905  
**Report Date:** 10/26/23

<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>
L2361905-01	EFFLUENT DW SAMPLE_20231018	WATER	65 ECKFORD ST, BROOKLYN, NY	10/18/23 09:00	10/18/23
L2361905-02	INFLUENT DW SAMPLE_20231018	WATER	65 ECKFORD ST, BROOKLYN, NY	10/18/23 09:30	10/18/23
L2361905-03	TRIP BLANK	WATER	65 ECKFORD ST, BROOKLYN, NY	10/18/23 00:00	10/18/23



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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

### 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:** L2361905  
**Report Date:** 10/26/23

### 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.

#### Sample Receipt

L2361905-03: A sample identified as "TRIP BLANK" was received, but not listed on the Chain of Custody. At the client's request, this sample was analyzed.

#### Solids, Total

The Effluent (L2361905-01) results are greater than the Influent (L2361905-02) results. The sample containers were verified as being labeled correctly by the laboratory.

#### Nitrogen, Total Kjeldahl

The Effluent (L2361905-01) result is greater than the Influent (L2361905-02) result. The sample containers were verified as being labeled correctly by the laboratory, and the reported results were confirmed.

#### Chloride

The Effluent (L2361905-01) result is greater than the Influent (L2361905-02) result. 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: 10/26/23

# ORGANICS

# VOLATILES



**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-01  
 Client ID: EFFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

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

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 10/23/23 12:49  
 Analyst: GMT

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	114		60-140
Fluorobenzene	93		60-140
4-Bromofluorobenzene	80		60-140

**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-02  
 Client ID: INFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 09:30  
 Date Received: 10/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 10/23/23 13:22  
 Analyst: GMT

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	115		60-140
Fluorobenzene	93		60-140
4-Bromofluorobenzene	80		60-140

**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-03  
 Client ID: TRIP BLANK  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

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

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 10/23/23 13:54  
 Analyst: GMT

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	114		60-140
Fluorobenzene	93		60-140
4-Bromofluorobenzene	79		60-140

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 10/23/23 10:54  
Analyst: GMT

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1843638-4					
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	115		60-140
Fluorobenzene	90		60-140
4-Bromofluorobenzene	79		60-140



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1843638-3								
Chloroform	105		-		70-135	-		54
Carbon tetrachloride	110		-		70-130	-		41
Tetrachloroethene	110		-		70-130	-		39
1,1,1-Trichloroethane	105		-		70-130	-		36
Benzene	110		-		65-135	-		61
Toluene	100		-		70-130	-		41
Ethylbenzene	90		-		60-140	-		63
1,4-Dichlorobenzene	90		-		65-135	-		57
p/m-Xylene	82		-		60-140	-		30
o-Xylene	80		-		60-140	-		30
Methyl tert butyl Ether	105		-		60-140	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	122				60-140
Fluorobenzene	97				60-140
4-Bromofluorobenzene	83				60-140

# SEMIVOLATILES

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**SAMPLE RESULTS**

Lab ID: L2361905-01  
 Client ID: EFFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

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

Sample Depth:

Matrix: Water  
 Analytical Method: 129,625.1  
 Analytical Date: 10/20/23 17:11  
 Analyst: ALS

Extraction Method: EPA 625.1  
 Extraction Date: 10/20/23 05:21

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	38		25-87
Phenol-d6	27		16-65
Nitrobenzene-d5	64		42-122
2-Fluorobiphenyl	69		46-121
2,4,6-Tribromophenol	73		45-128
4-Terphenyl-d14	64		47-138

**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-02  
 Client ID: INFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 09:30  
 Date Received: 10/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 129,625.1  
 Analytical Date: 10/20/23 16:27  
 Analyst: ALS

Extraction Method: EPA 625.1  
 Extraction Date: 10/20/23 05:21

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	35		25-87
Phenol-d6	25		16-65
Nitrobenzene-d5	60		42-122
2-Fluorobiphenyl	64		46-121
2,4,6-Tribromophenol	72		45-128
4-Terphenyl-d14	61		47-138



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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 129,625.1  
Analytical Date: 10/20/23 15:19  
Analyst: ALS

Extraction Method: EPA 625.1  
Extraction Date: 10/20/23 05:21

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1842108-1					
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	43		25-87
Phenol-d6	30		16-65
Nitrobenzene-d5	71		42-122
2-Fluorobiphenyl	85		46-121
2,4,6-Tribromophenol	95		45-128
4-Terphenyl-d14	84		47-138

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361905

Project Number: 0202156

Report Date: 10/26/23

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1842108-2								
1,2,4-Trichlorobenzene	67		-		57-130	-		50
Naphthalene	69		-		36-120	-		65
Phenol	36		-		17-120	-		64

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	47				25-87
Phenol-d6	38				16-65
Nitrobenzene-d5	83				42-122
2-Fluorobiphenyl	82				46-121
2,4,6-Tribromophenol	89				45-128
4-Terphenyl-d14	75				47-138

# PCBS

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**SAMPLE RESULTS**

Lab ID: L2361905-01  
 Client ID: EFFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

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

Sample Depth:

Matrix: Water  
 Analytical Method: 127,608.3  
 Analytical Date: 10/20/23 09:33  
 Analyst: ER

Extraction Method: EPA 608.3  
 Extraction Date: 10/19/23 12:07  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 10/19/23  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 10/20/23

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	71		37-123	A
Decachlorobiphenyl	71		38-114	A
2,4,5,6-Tetrachloro-m-xylene	76		37-123	B
Decachlorobiphenyl	81		38-114	B

**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-02  
 Client ID: INFLUENT DW SAMPLE\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 09:30  
 Date Received: 10/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 127,608.3  
 Analytical Date: 10/20/23 09:42  
 Analyst: ER

Extraction Method: EPA 608.3  
 Extraction Date: 10/19/23 12:07  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 10/19/23  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 10/20/23

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	55		37-123	A
Decachlorobiphenyl	55		38-114	A
2,4,5,6-Tetrachloro-m-xylene	58		37-123	B
Decachlorobiphenyl	61		38-114	B

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

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

Analytical Method: 127,608.3  
Analytical Date: 10/19/23 12:15  
Analyst: ER

Extraction Method: EPA 608.3  
Extraction Date: 10/19/23 04:56  
Cleanup Method: EPA 3665A  
Cleanup Date: 10/19/23  
Cleanup Method: EPA 3660B  
Cleanup Date: 10/19/23

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-02 Batch: WG1841584-1						
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	67		37-123	A
Decachlorobiphenyl	78		38-114	A
2,4,5,6-Tetrachloro-m-xylene	71		37-123	B
Decachlorobiphenyl	84		38-114	B

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

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: WG1841584-2									
Aroclor 1016	76		-		50-140	-		36	A
Aroclor 1260	69		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64				37-123	A
Decachlorobiphenyl	75				38-114	A
2,4,5,6-Tetrachloro-m-xylene	66				37-123	B
Decachlorobiphenyl	83				38-114	B

## METALS



Project Name: 65 ECKFORD

Lab Number: L2361905

Project Number: 0202156

Report Date: 10/26/23

## SAMPLE RESULTS

Lab ID: L2361905-01

Date Collected: 10/18/23 09:00

Client ID: EFFLUENT DW SAMPLE\_20231018

Date Received: 10/18/23

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	10/19/23 07:27	10/20/23 18:45	EPA 3005A	19,200.7	JTS
Copper, Total	0.0077	J	mg/l	0.0100	0.0022	1	10/19/23 07:27	10/20/23 18:45	EPA 3005A	19,200.7	JTS
Lead, Total	ND		mg/l	0.0100	0.0027	1	10/19/23 07:27	10/20/23 18:45	EPA 3005A	19,200.7	JTS
Mercury, Total	ND		mg/l	0.00020	0.00009	1	10/19/23 08:51	10/20/23 13:51	EPA 245.1	3,245.1	MJR
Nickel, Total	0.0061	J	mg/l	0.0250	0.0024	1	10/19/23 07:27	10/20/23 18:45	EPA 3005A	19,200.7	JTS
Zinc, Total	0.0081		mg/l	0.0050	0.0021	1	10/19/23 07:27	10/20/23 18:45	EPA 3005A	19,200.7	JTS



**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**SAMPLE RESULTS**

Lab ID: L2361905-02

Date Collected: 10/18/23 09:30

Client ID: INFLUENT DW SAMPLE\_20231018

Date Received: 10/18/23

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	10/19/23 07:27	10/20/23 18:48	EPA 3005A	19,200.7	JTS
Copper, Total	0.0303		mg/l	0.0100	0.0022	1	10/19/23 07:27	10/20/23 18:48	EPA 3005A	19,200.7	JTS
Lead, Total	0.0461		mg/l	0.0100	0.0027	1	10/19/23 07:27	10/20/23 18:48	EPA 3005A	19,200.7	JTS
Mercury, Total	0.00034		mg/l	0.00020	0.00009	1	10/19/23 08:51	10/20/23 13:54	EPA 245.1	3,245.1	MJR
Nickel, Total	0.0089	J	mg/l	0.0250	0.0024	1	10/19/23 07:27	10/20/23 18:48	EPA 3005A	19,200.7	JTS
Zinc, Total	0.0943		mg/l	0.0050	0.0021	1	10/19/23 07:27	10/20/23 18:48	EPA 3005A	19,200.7	JTS



Project Name: 65 ECKFORD  
 Project Number: 0202156

Lab Number: L2361905  
 Report Date: 10/26/23

## 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: WG1841601-1									
Cadmium, Total	ND	mg/l	0.0050	0.0010	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Copper, Total	ND	mg/l	0.0100	0.0022	1	10/19/23 07:27	10/19/23 19:54	19,200.7	TAA
Lead, Total	ND	mg/l	0.0100	0.0027	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Nickel, Total	ND	mg/l	0.0250	0.0024	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW
Zinc, Total	ND	mg/l	0.0050	0.0021	1	10/19/23 07:27	10/19/23 12:52	19,200.7	AMW

### 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: WG1841604-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	10/19/23 08:51	10/20/23 12:50	3,245.1	MJR

### Prep Information

Digestion Method: EPA 245.1

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1841601-2								
Cadmium, Total	98		-		85-115	-		
Copper, Total	104		-		85-115	-		
Lead, Total	101		-		85-115	-		
Nickel, Total	98		-		85-115	-		
Zinc, Total	98		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01-02 Batch: WG1841604-2								
Mercury, Total	101		-		85-115	-		

### Matrix Spike Analysis Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361905

Project Number: 0202156

Report Date: 10/26/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1841601-3    QC Sample: L2360400-01    Client ID: MS Sample												
Cadmium, Total	ND	0.053	0.0553	104		-	-		75-125	-		20
Copper, Total	0.0027J	0.25	0.251	100		-	-		75-125	-		20
Lead, Total	ND	0.53	0.525	99		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.523	105		-	-		75-125	-		20
Zinc, Total	0.0059	0.5	0.542	107		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1841601-7    QC Sample: L2360428-01    Client ID: MS Sample												
Cadmium, Total	ND	0.053	0.0522	98		-	-		75-125	-		20
Copper, Total	0.007J	0.25	0.248	99		-	-		75-125	-		20
Lead, Total	ND	0.53	0.536	101		-	-		75-125	-		20
Nickel, Total	ND	0.5	0.484	97		-	-		75-125	-		20
Zinc, Total	0.014	0.5	0.507	98		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1841604-3    QC Sample: L2360724-01    Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00468	94		-	-		70-130	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-02    QC Batch ID: WG1841604-5    QC Sample: L2361474-01    Client ID: MS Sample												
Mercury, Total	0.00012J	0.005	0.00467	94		-	-		70-130	-		20

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1841601-4 QC Sample: L2360400-01 Client ID: DUP Sample						
Cadmium, Total	ND	ND	mg/l	NC		20
Copper, Total	0.0027J	0.0027J	mg/l	NC		20
Lead, Total	ND	ND	mg/l	NC		20
Nickel, Total	ND	ND	mg/l	NC		20
Zinc, Total	0.0059	0.0054	mg/l	8		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1841604-4 QC Sample: L2360724-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-02 QC Batch ID: WG1841604-6 QC Sample: L2361474-01 Client ID: DUP Sample						
Mercury, Total	0.00012J	0.00009J	mg/l	NC		20

# **INORGANICS & MISCELLANEOUS**

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**SAMPLE RESULTS**

**Lab ID:** L2361905-01  
**Client ID:** EFFLUENT DW SAMPLE\_20231018  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 10/18/23 09:00  
**Date Received:** 10/18/23  
**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	1000		mg/l	13	NA	1.3	-	10/23/23 05:54	121,2540B	DEW
Solids, Total Suspended	7.0		mg/l	5.0	NA	1	-	10/19/23 08:11	121,2540D	MRS
Chloride	200		mg/l	10	8.9	10	-	10/19/23 15:39	121,4500CL-E	JER
pH (H)	7.26		SU	-	NA	1	-	10/19/23 22:06	121,4500H+-B	AAS
Nitrogen, Nitrate/Nitrite	0.053	J	mg/l	0.10	0.046	1	-	10/21/23 07:26	44,353.2	KAF
Total Nitrogen	2.4		mg/l	0.30	0.30	1	-	10/24/23 14:05	107,-	MRM
Nitrogen, Total Kjeldahl	2.39		mg/l	0.300	0.066	1	10/25/23 18:44	10/26/23 11:06	121,4500NH3-H	KEP
CBOD, 5 day	ND		mg/l	2.0	NA	1	10/19/23 17:59	10/24/23 12:13	121,5210B	JRG
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	10/24/23 13:25	10/24/23 15:11	140,1664B	JGM
Flash Point	>150		deg F	70	NA	1	-	10/23/23 07:30	1,1010A	MRS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/23 08:00	10/19/23 08:25	121,3500CR-B	JBB





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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**SAMPLE RESULTS**

**Lab ID:** L2361905-02  
**Client ID:** INFLUENT DW SAMPLE\_20231018  
**Sample Location:** 65 ECKFORD ST, BROOKLYN, NY

**Date Collected:** 10/18/23 09:30  
**Date Received:** 10/18/23  
**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	850		mg/l	13	NA	1.3	-	10/23/23 05:54	121,2540B	DEW
Solids, Total Suspended	120		mg/l	16	NA	3.3	-	10/19/23 08:11	121,2540D	MRS
Chloride	160		mg/l	10	8.9	10	-	10/19/23 15:41	121,4500CL-E	JER
pH (H)	7.58		SU	-	NA	1	-	10/19/23 22:06	121,4500H+-B	AAS
Nitrogen, Nitrate/Nitrite	0.48		mg/l	0.10	0.046	1	-	10/21/23 07:27	44,353.2	KAF
Total Nitrogen	1.2		mg/l	0.30	0.30	1	-	10/24/23 14:05	107,-	MRM
Nitrogen, Total Kjeldahl	0.759		mg/l	0.300	0.066	1	10/25/23 18:44	10/26/23 11:09	121,4500NH3-H	KEP
CBOD, 5 day	ND		mg/l	2.0	NA	1	10/19/23 17:59	10/24/23 12:13	121,5210B	JRG
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	10/24/23 13:25	10/24/23 15:12	140,1664B	JGM
Flash Point	>150		deg F	70	NA	1	-	10/23/23 07:30	1,1010A	MRS
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/23 08:00	10/19/23 08:26	121,3500CR-B	JBB



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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

**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: WG1841680-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	10/19/23 08:11	121,2540D	MRS
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1841689-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	10/19/23 08:00	10/19/23 08:24	121,3500CR-B	JBB
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1841815-1										
Chloride	ND		mg/l	1.0	0.89	1	-	10/19/23 14:37	121,4500CL-E	JER
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1841997-1										
CBOD, 5 day	ND		mg/l	2.0	NA	1	10/19/23 17:59	10/24/23 12:13	121,5210B	JRG
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1842565-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	10/21/23 06:20	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1842948-1										
Solids, Total	ND		mg/l	10	NA	1	-	10/23/23 05:54	121,2540B	DEW
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1843571-1										
Non-Polar Material By EPA 1664	ND		mg/l	4.00	1.24	1	10/24/23 13:25	10/24/23 15:03	140,1664B	JGM
General Chemistry - Westborough Lab for sample(s): 01-02 Batch: WG1844277-1										
Nitrogen, Total Kjeldahl	0.160	J	mg/l	0.300	0.022	1	10/25/23 18:44	10/26/23 11:10	121,4500NH3-H	KEP

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1841680-2								
Solids, Total Suspended	100		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1841689-2								
Chromium, Hexavalent	105		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1841815-2								
Chloride	100		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1841997-2								
CBOD, 5 day	96		-		41-119	-		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1842040-1								
pH	101		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1842565-2								
Nitrogen, Nitrate/Nitrite	96		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1842948-2								
Solids, Total	92		-		80-120	-		

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1842988-1					
Flash Point	100	-	96-104	-	
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1843571-2					
Non-Polar Material By EPA 1664	128	-	64-132	-	34
General Chemistry - Westborough Lab Associated sample(s): 01-02 Batch: WG1844277-2					
Nitrogen, Total Kjeldahl	108	-	78-122	-	

### Matrix Spike Analysis Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361905

Project Number: 0202156

Report Date: 10/26/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841689-4 QC Sample: L2361905-02 Client ID: INFLUENT DW SAMPLE_20231018												
Chromium, Hexavalent	ND	0.1	0.098	98	-	-	-	-	85-115	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841815-4 QC Sample: L2360511-03 Client ID: MS Sample												
Chloride	27.	20	47	100	-	-	-	-	58-140	-	-	7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841997-4 QC Sample: L2361785-01 Client ID: MS Sample												
CBOD, 5 day	ND	100	79	79	-	-	-	-	36-125	-	-	49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842565-4 QC Sample: L2358092-01 Client ID: MS Sample												
Nitrogen, Nitrate/Nitrite	0.11	4	4.0	97	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1843571-4 QC Sample: L2355345-96 Client ID: MS Sample												
Non-Polar Material By EPA 1664	3.00J	20	9.80	49	Q	-	-	-	64-132	-	-	34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1844277-4 QC Sample: L2361905-01 Client ID: EFFLUENT DW SAMPLE_20231018												
Nitrogen, Total Kjeldahl	2.39	8	11.2	110	-	-	-	-	77-111	-	-	24

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841680-3 QC Sample: L2361820-02 Client ID: DUP Sample						
Solids, Total Suspended	35.	40	mg/l	13		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841680-4 QC Sample: L2361905-02 Client ID: INFLUENT DW SAMPLE_20231018						
Solids, Total Suspended	120	130	mg/l	8		32
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841689-3 QC Sample: L2361905-01 Client ID: EFFLUENT DW SAMPLE_20231018						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841815-3 QC Sample: L2360511-03 Client ID: DUP Sample						
Chloride	27.	27	mg/l	0		7
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1841997-3 QC Sample: L2361785-01 Client ID: DUP Sample						
CBOD, 5 day	ND	ND	mg/l	NC		49
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842040-2 QC Sample: L2361250-01 Client ID: DUP Sample						
pH	5.01	4.76	SU	5		5
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842565-3 QC Sample: L2358092-01 Client ID: DUP Sample						
Nitrogen, Nitrate/Nitrite	0.11	0.096J	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842948-3 QC Sample: L2361905-01 Client ID: EFFLUENT DW SAMPLE_20231018						
Solids, Total	1000	1000	mg/l	0		16

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD

Project Number: 0202156

Lab Number: L2361905

Report Date: 10/26/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842988-3 QC Sample: L2361396-02 Client ID: DUP Sample					
Flash Point	95.4	98.4	deg F	3	
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1842988-4 QC Sample: L2362396-01 Client ID: DUP Sample					
Flash Point	125	128	deg F	2	
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1843571-3 QC Sample: L2355345-95 Client ID: DUP Sample					
Non-Polar Material By EPA 1664	3.50J	ND	mg/l	NC	34
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1844277-3 QC Sample: L2361905-01 Client ID: EFFLUENT DW SAMPLE_20231018					
Nitrogen, Total Kjeldahl	2.39	2.85	mg/l	18	24

**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**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>
L2361905-01A	Vial Na2S2O3 preserved	A	NA		4.2	Y	Absent		624-NYDEP(7)
L2361905-01B	Vial Na2S2O3 preserved	A	NA		4.2	Y	Absent		624-NYDEP(7)
L2361905-01C	Vial Na2S2O3 preserved	A	NA		4.2	Y	Absent		624-NYDEP(7)
L2361905-01D	Plastic 250ml HNO3 preserved	A	<2	<2	4.2	Y	Absent		NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L2361905-01E	Plastic 250ml H2SO4 preserved	A	<2	<2	4.2	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L2361905-01F	Plastic 950ml unpreserved	A	7	7	4.2	Y	Absent		TSC-2540(7),CL-4500(28),HEXCR-3500(1),PH-4500(.01)
L2361905-01G	Plastic 950ml unpreserved	A	7	7	4.2	Y	Absent		CBOD5(2)
L2361905-01H	Plastic 950ml unpreserved	A	7	7	4.2	Y	Absent		TSS-2540(7)
L2361905-01J	Amber 250ml unpreserved	A	7	7	4.2	Y	Absent		FLASH()
L2361905-01K	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		625-NYDEP(7)
L2361905-01L	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		625-NYDEP(7)
L2361905-01M	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		625-NYDEP(7)
L2361905-01N	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		NYPGB-608-2L(365)
L2361905-01P	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		NYPGB-608-2L(365)
L2361905-01Q	Amber 1000ml Na2S2O3	A	7	7	4.2	Y	Absent		NYPGB-608-2L(365)
L2361905-01R	Amber 1000ml HCl preserved	A	NA		4.2	Y	Absent		NYTPH-1664(28)
L2361905-01S	Amber 1000ml HCl preserved	A	NA		4.2	Y	Absent		NYTPH-1664(28)
L2361905-02A	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2361905-02B	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2361905-02C	Vial Na2S2O3 preserved	B	NA		2.2	Y	Absent		624-NYDEP(7)
L2361905-02D	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)



**Project Name:** 65 ECKFORD**Lab Number:** L2361905**Project Number:** 0202156**Report Date:** 10/26/23**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>
L2361905-02E	Plastic 250ml H2SO4 preserved	B	<2	<2	2.2	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L2361905-02F	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSC-2540(7),HEXCR-3500(1),CL-4500(28),PH-4500(.01)
L2361905-02G	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		CBOD5(2)
L2361905-02H	Plastic 950ml unpreserved	B	7	7	2.2	Y	Absent		TSS-2540(7)
L2361905-02J	Amber 250ml unpreserved	B	7	7	2.2	Y	Absent		FLASH()
L2361905-02K	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		625-NYDEP(7)
L2361905-02L	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		625-NYDEP(7)
L2361905-02M	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		625-NYDEP(7)
L2361905-02N	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCB-608-2L(365)
L2361905-02P	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCB-608-2L(365)
L2361905-02Q	Amber 1000ml Na2S2O3	B	7	7	2.2	Y	Absent		NYPCB-608-2L(365)
L2361905-02R	Amber 1000ml HCl preserved	B	NA		2.2	Y	Absent		NYTPH-1664(28)
L2361905-02S	Amber 1000ml HCl preserved	B	NA	NA	2.2	Y	Absent		ARCHIVE()
L2361905-03A	Vial HCl preserved	B	NA	NA	2.2	Y	Absent		624-NYDEP(14),ARCHIVE()
L2361905-03B	Vial HCl preserved	B	NA	NA	2.2	Y	Absent		624-NYDEP(14),ARCHIVE()

**Container Comments**

L2361905-02S Container Received Empty.

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

**Lab Number:** L2361905  
**Report Date:** 10/26/23

## 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  
**Project Number:** 0202156

**Lab Number:** L2361905  
**Report Date:** 10/26/23

### 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  
**Project Number:** 0202156

**Lab Number:** L2361905  
**Report Date:** 10/26/23

#### **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  
**Project Number:** 0202156

**Lab Number:** L2361905  
**Report Date:** 10/26/23

## 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

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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

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

### Westborough Facility:

#### Drinking Water

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

**EPA 180.1, SM2130B, 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**

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



# CHAIN OF CUSTODY

PAGE 1 OF 1



Westborough, MA    Mansfield, MA  
 TEL: 508-898-9220    TEL: 508-822-9300  
 FAX: 508-898-9193    FAX: 508-822-3288

### Project Information

Project Name: *65 Eckford*

Project Location: *65 Eckford St*

Project #: *0202156*

Project Manager: *Max: Cate Conlon*

ALPHA Quote #:

### Client Information

Client: *Halcyon Aldrich of New York*

Address: *213 West 35th St Floor 7*

*New York, NY 10123*

Phone:

Fax:

Email: *MConlon@halcyonaldrich.com*

These samples have been Previously analyzed by Alpha

### Turn-Around Time

Standard     Rush (ONLY IF PRE-APPROVED)

Due Date:    Time:

### Other Project Specific Requirements/Comments/Detection Limits:

Please see attached list.  
 PCB reporting limit must be 65ppt. See attached list.

Date Rec'd in Lab: *10/19/23*

ALPHA Job #: *L2361905*

### Report Information

FAX     EMAIL  
 ADEx     Add'l Deliverables

### Billing Information

Same as Client info    PO #:

### Regulatory Requirements/Report Limits

State/Fed Program:    Criteria:  
 NYC Sanitary and Combined Sewer Discharge    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?

### ANALYSIS

VOC 624 (See Attached List)	Total Metals (See Attached List)	Chloride, CBOD, Total Solids	Total Suspended Solids	pH, HexChrom	Non Polar Material - 1664	TKN, NO3/NO2	ABN 625 (See Attached List)	PCB 608 - Must achieve 65ppt RL	Flash Point					
<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"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

**SAMPLE HANDLING**  
 Filtration  
 Done  
 Not Needed  
 Lab to do  
 Preservation  
 Lab to do  
 (Please specify below)

**TOTAL # BOTTLES**

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
<i>21905-01</i>	<i>Effluent RW SAMPLE-20231018</i>	<i>10/18/23</i>	<i>9:00</i>	<i>Water</i>	<i>EW</i>
<i>-02</i>	<i>Influent RW SAMPLE-20231018</i>	<i>10/18/23</i>	<i>9:30</i>	<i>Water</i>	<i>EW</i>

Sample Specific Comments

16  
1

PLEASE ANSWER QUESTIONS ABOVE!

## IS YOUR PROJECT MA MCP or CT RCP?

FORM NO: 01-01(1)  
rev. 30-JUL-07

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

Relinquished By:	Date/Time	Received By:	Date/Time
<i>Eddy Nunez</i>	<i>10/18/23 16:12</i>	<i>Wm J. Donnell</i>	<i>10/18/23 18:00</i>
<i>Wm J. Donnell</i>	<i>10/18/23 18:00</i>	<i>Wm J. Donnell</i>	<i>10/18/23 19:00</i>
<i>Wm J. Donnell</i>	<i>10/18/23</i>	<i>Wm J. Donnell</i>	<i>10/18/23 19:00</i>
<i>Wm J. Donnell</i>	<i>10/19 09:30</i>	<i>Wm J. Donnell</i>	<i>10/19/23 09:30</i>

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

**ATTACHMENT B**

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





## ANALYTICAL REPORT

Lab Number:	L2361904
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:	10/24/23

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  
**Project Number:** 0202156

**Lab Number:** L2361904  
**Report Date:** 10/24/23

<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>
L2361904-01	OW-1_20231018	WATER	65 ECKFORD ST, BROOKLYN, NY	10/18/23 12:50	10/18/23
L2361904-02	OW-2_20231018	WATER	65 ECKFORD ST, BROOKLYN, NY	10/18/23 14:20	10/18/23

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

**Lab Number:** L2361904  
**Report Date:** 10/24/23

### 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.

---

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

**Lab Number:** L2361904  
**Report Date:** 10/24/23

### 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.

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:

*Tiffani Morrissey* - Tiffani Morrissey

Title: Technical Director/Representative

Date: 10/24/23

# ORGANICS

# VOLATILES

**Project Name:** 65 ECKFORD**Lab Number:** L2361904**Project Number:** 0202156**Report Date:** 10/24/23**SAMPLE RESULTS**

Lab ID: L2361904-01  
 Client ID: OW-1\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 12:50  
 Date Received: 10/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260D  
 Analytical Date: 10/21/23 10:18  
 Analyst: PID

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	2.0	J	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	5.2		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: L2361904

Project Number: 0202156

Report Date: 10/24/23

## SAMPLE RESULTS

Lab ID: L2361904-01  
 Client ID: OW-1\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 12:50  
 Date Received: 10/18/23  
 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	2.0	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	2.3	J	ug/l	2.5	0.70	1
1,2-Dichloroethene, Total	2.3	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	1.2	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: L2361904

Project Number: 0202156

Report Date: 10/24/23

## SAMPLE RESULTS

Lab ID: L2361904-01  
 Client ID: OW-1\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 12:50  
 Date Received: 10/18/23  
 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	100		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	113		70-130
Dibromofluoromethane	98		70-130

**Project Name:** 65 ECKFORD**Lab Number:** L2361904**Project Number:** 0202156**Report Date:** 10/24/23**SAMPLE RESULTS**

Lab ID: L2361904-02  
 Client ID: OW-2\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 14:20  
 Date Received: 10/18/23  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 1,8260D  
 Analytical Date: 10/21/23 10:43  
 Analyst: PID

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	0.21	J	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: L2361904

Project Number: 0202156

Report Date: 10/24/23

## SAMPLE RESULTS

Lab ID: L2361904-02  
 Client ID: OW-2\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 14:20  
 Date Received: 10/18/23  
 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	0.98	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	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: L2361904

Project Number: 0202156

Report Date: 10/24/23

## SAMPLE RESULTS

Lab ID: L2361904-02  
 Client ID: OW-2\_20231018  
 Sample Location: 65 ECKFORD ST, BROOKLYN, NY

Date Collected: 10/18/23 14:20  
 Date Received: 10/18/23  
 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	100		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	98		70-130

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

**Lab Number:** L2361904  
**Report Date:** 10/24/23

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

Analytical Method: 1,8260D  
Analytical Date: 10/21/23 09:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1842889-5					
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:** L2361904  
**Report Date:** 10/24/23

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

Analytical Method: 1,8260D  
Analytical Date: 10/21/23 09:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1842889-5					
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:** L2361904  
**Report Date:** 10/24/23

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 1,8260D  
Analytical Date: 10/21/23 09:52  
Analyst: LAC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1842889-5					
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	100		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	99		70-130

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361904

Project Number: 0202156

Report Date: 10/24/23

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: WG1842889-3 WG1842889-4								
Methylene chloride	84		85		70-130	1		20
1,1-Dichloroethane	87		89		70-130	2		20
Chloroform	83		86		70-130	4		20
Carbon tetrachloride	80		82		63-132	2		20
1,2-Dichloropropane	85		89		70-130	5		20
Dibromochloromethane	82		84		63-130	2		20
1,1,2-Trichloroethane	86		88		70-130	2		20
Tetrachloroethene	83		82		70-130	1		20
Chlorobenzene	86		86		75-130	0		20
Trichlorofluoromethane	110		120		62-150	9		20
1,2-Dichloroethane	83		88		70-130	6		20
1,1,1-Trichloroethane	82		84		67-130	2		20
Bromodichloromethane	81		84		67-130	4		20
trans-1,3-Dichloropropene	90		92		70-130	2		20
cis-1,3-Dichloropropene	83		85		70-130	2		20
1,1-Dichloropropene	79		81		70-130	3		20
Bromoform	77		79		54-136	3		20
1,1,2,2-Tetrachloroethane	91		94		67-130	3		20
Benzene	87		89		70-130	2		20
Toluene	91		92		70-130	1		20
Ethylbenzene	86		87		70-130	1		20
Chloromethane	86		87		64-130	1		20
Bromomethane	130		140	Q	39-139	7		20



## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361904

Project Number: 0202156

Report Date: 10/24/23

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: WG1842889-3 WG1842889-4								
Vinyl chloride	84		87		55-140	4		20
Chloroethane	110		110		55-138	0		20
1,1-Dichloroethene	110		120		61-145	9		20
trans-1,2-Dichloroethene	84		88		70-130	5		20
Trichloroethene	79		82		70-130	4		20
1,2-Dichlorobenzene	87		89		70-130	2		20
1,3-Dichlorobenzene	88		89		70-130	1		20
1,4-Dichlorobenzene	87		90		70-130	3		20
Methyl tert butyl ether	82		87		63-130	6		20
p/m-Xylene	85		85		70-130	0		20
o-Xylene	85		85		70-130	0		20
cis-1,2-Dichloroethene	84		87		70-130	4		20
Dibromomethane	81		85		70-130	5		20
1,2,3-Trichloropropane	91		96		64-130	5		20
Acrylonitrile	77		83		70-130	8		20
Styrene	80		85		70-130	6		20
Dichlorodifluoromethane	76		80		36-147	5		20
Acetone	73		70		58-148	4		20
Carbon disulfide	110		120		51-130	9		20
2-Butanone	66		77		63-138	15		20
Vinyl acetate	97		96		70-130	1		20
4-Methyl-2-pentanone	80		87		59-130	8		20
2-Hexanone	88		93		57-130	6		20

## Lab Control Sample Analysis

### Batch Quality Control

Project Name: 65 ECKFORD

Lab Number: L2361904

Project Number: 0202156

Report Date: 10/24/23

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: WG1842889-3 WG1842889-4								
Bromochloromethane	82		85		70-130	4		20
2,2-Dichloropropane	92		92		63-133	0		20
1,2-Dibromoethane	89		92		70-130	3		20
1,3-Dichloropropane	94		96		70-130	2		20
1,1,1,2-Tetrachloroethane	82		82		64-130	0		20
Bromobenzene	89		90		70-130	1		20
n-Butylbenzene	98		98		53-136	0		20
sec-Butylbenzene	94		95		70-130	1		20
tert-Butylbenzene	91		91		70-130	0		20
o-Chlorotoluene	94		95		70-130	1		20
p-Chlorotoluene	94		95		70-130	1		20
1,2-Dibromo-3-chloropropane	76		78		41-144	3		20
Hexachlorobutadiene	80		80		63-130	0		20
Isopropylbenzene	95		95		70-130	0		20
p-Isopropyltoluene	91		92		70-130	1		20
Naphthalene	83		85		70-130	2		20
n-Propylbenzene	98		98		69-130	0		20
1,2,3-Trichlorobenzene	84		82		70-130	2		20
1,2,4-Trichlorobenzene	84		84		70-130	0		20
1,3,5-Trimethylbenzene	92		92		64-130	0		20
1,2,4-Trimethylbenzene	92		93		70-130	1		20
1,4-Dioxane	84		88		56-162	5		20
p-Diethylbenzene	90		90		70-130	0		20

### Lab Control Sample Analysis Batch Quality Control

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

**Lab Number:** L2361904  
**Report Date:** 10/24/23

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: WG1842889-3 WG1842889-4								
p-Ethyltoluene	95		95		70-130	0		20
1,2,4,5-Tetramethylbenzene	84		80		70-130	5		20
Ethyl ether	100		110		59-134	10		20
trans-1,4-Dichloro-2-butene	100		100		70-130	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		103		70-130
Toluene-d8	109		108		70-130
4-Bromofluorobenzene	108		107		70-130
Dibromofluoromethane	92		94		70-130

**Project Name:** 65 ECKFORD**Lab Number:** L2361904**Project Number:** 0202156**Report Date:** 10/24/23**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>
L2361904-01A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2361904-01B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2361904-01C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2361904-02A	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2361904-02B	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)
L2361904-02C	Vial HCl preserved	A	NA		4.2	Y	Absent		NYTCL-8260(14)

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

**Lab Number:** L2361904  
**Report Date:** 10/24/23

## 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  
**Project Number:** 0202156

**Lab Number:** L2361904  
**Report Date:** 10/24/23

### 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  
**Project Number:** 0202156

**Lab Number:** L2361904  
**Report Date:** 10/24/23

#### **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  
**Project Number:** 0202156

**Lab Number:** L2361904  
**Report Date:** 10/24/23

## REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

## LIMITATION OF LIABILITIES

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

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





## Certification Information

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

### Westborough Facility

**EPA 624.1:** 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

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

### Westborough Facility:

#### Drinking Water

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

**EPA 180.1, SM2130B, 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**

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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 1	Date Rec'd in Lab <b>10/19/23</b>	ALPHA Job # <b>L0301904</b>	
		of 1			
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>		<b>Deliverables</b>	<b>Billing Information</b>
Project Name: <b>65 Eckford</b> Project Location: <b>65 Eckford St, Brooklyn NY</b> Project # <b>0202156</b> (Use Project name as Project #) <input type="checkbox"/>		Project Manager: <b>Mari Cete Conlon</b> ALPHAQuote #:		<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	<input checked="" type="checkbox"/> Same as Client Info PO #
<b>Client Information</b>		<b>Regulatory Requirement</b>		<b>Disposal Site Information</b>	
Client: <b>Haley Aldrich of NY</b> Address: <b>213 West 35th St floor 7, New York, NY 10123</b> Phone: Fax: Email: <b>MConlon@haleyaldrich.com</b>		Turn-Around Time Standard <input type="checkbox"/> Due Date: Rush (only if pre approved) <input type="checkbox"/> # of Days:		<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 type="checkbox"/> NY Restricted Use <input type="checkbox"/> Other <input type="checkbox"/> NY Unrestricted Use <input type="checkbox"/> NYC Sewer Discharge	
These samples have been previously analyzed by Alpha <input type="checkbox"/> Other project specific requirements/comments: Please specify Metals or TAL.		<b>ANALYSIS</b>		<b>Sample Filtration</b> <input type="checkbox"/> Done <input type="checkbox"/> Lab to do <b>Preservation</b> <input type="checkbox"/> Lab to do (Please Specify below) <b>Sample Specific Comments</b>	
		VOCs		Total Bottle	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
<b>01904-01</b>	<b>OW-1-20231018</b>	<b>10/18/23</b>	<b>12:50</b>	<b>GW</b>	<b>EN</b>
<b>-02</b>	<b>OW-2-20231019</b>	<b>10/18/23</b>	<b>2:20</b>	<b>GW</b>	<b>EN</b>
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	
		Relinquished By:		Date/Time	
		Received By:		Date/Time	
		Container Type <b>V</b>		Preservative <b>B</b>	
		Eddy Nunez <b>EN</b>		10/18/23 16:00	
		[Signature]		10/18/23 18:30	
		[Signature]		10/18/23	
		[Signature]		10/19/23 00:30	
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.)					