



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

08 December 2022  
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 Joelene 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 2 November 2022 to 1 December 2022. If you have any questions, please contact us at 646-277-5688.

Sincerely yours,  
HALEY & ALDRICH OF NEW YORK

A handwritten signature in black ink that reads 'Mari Cate Conlon'.

Mari Cate Conlon  
Senior Project Manager

CC:

Bob Corcoran (NYSDEC)  
Scarlett McLaughlin (NYSDOH)  
Arunesh Ghosh (NYSDOH) 65-73  
Eckford Realty, 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 (Site) from 2 November 2022 to 1 December 2022. Activities during this period were conducted by Haley & Aldrich of New York (Haley & Aldrich). A site plan showing the current site conditions is included as Figure 1.

### **Corrective Action and Remedial Measure Activities**

None

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

One groundwater sample was collected on 15 November 2022 for New York City Department of Environmental Protection (NYCDEP) sewer discharge parameters for inclusion into an Application for Permit for Temporary Discharge of Groundwater into the New York City Sewer System (Discharge Less Than 10,000-Gallons per Day) to be submitted to NYCDEP in the coming reporting period. The analytical results are attached herein.

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

The Site investigation and remedial design phase is 100% complete.

### **Delays Encountered**

Construction will commence once disposal facility approvals and discharge permits have been obtained.

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

None

### **Anticipated Activities during Next Reporting Period**

Mobilization and remedy implementation is planned to begin.

### **Anticipated Citizen Participation Activities**

#### Current Period

None

#### Anticipated Next Period

None

### **Attachments**

Attachment A – Current Site Conditions Plan

Attachment B – Analytical Results

**Attachment A**

**Current Site Conditions Plan**

C:\GIS\FILE PATR.C:\Users\hwacholz\Documents\working\pers\esd\2021\08\202156\_000\_0002\_SITE\_PLAN.mxd — USER: hwacholz — LAST SAVED: 8/2/2021 1:00:46 PM



**LEGEND**

 SITE BOUNDARY

**NOTES**

1. ALL LOCATIONS ARE APPROXIMATE.
2. AERIAL IMAGERY SOURCE: NEARMAP, 12 MARCH 2021
3. VEGETATION CLEARED AND STANDING WATER REMOVED



0 20 40  
SCALE IN FEET

**HALEY  
ALDRICH**

65 ECKFORD STREET  
BROOKLYN, NEW YORK

**CURRENT SITE CONDITIONS PLAN**

AUGUST 2021

FIGURE 1

**Attachment B**  
**Analytical Results**



## ANALYTICAL REPORT

Lab Number:	L2264103
Client:	Haley & Aldrich 237 West 35th Street 16th Floor New York, NY 10123
ATTN:	Mari Cate Conlon
Phone:	(347) 271-1521
Project Name:	65 ECKFORD STREET
Project Number:	0202156
Report Date:	11/18/22

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

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

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



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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

<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>
L2264103-01	MW-05-DEP	WATER	65 ECKFORD S, BROOKLYN, NY	11/15/22 08:45	11/15/22

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

### Case Narrative

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

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

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

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

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

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

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

### Case Narrative (continued)

#### Report Submission

November 18, 2022: This is a preliminary report.

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

#### PCBs

The surrogate recoveries for the WG1712727-1 Method Blank, associated with L2264103-01, are below the acceptance criteria for decachlorobiphenyl (34%,34%). The associated sample is non-detect and has acceptable surrogate recoveries; therefore, no further actions were taken.

#### Nitrogen, Total Kjeldahl

WG1713166: A Matrix Spike and Laboratory Duplicate were prepared with the sample batch, however, the native sample was not available for reporting; therefore, the results could not be reported.

#### Solids, Total

The WG1713276-3 Laboratory Duplicate RPD for solids, total (18%), performed on L2264103-01, is outside the acceptance criteria. The elevated RPD has been attributed to the non-homogeneous nature of the native sample.

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

Authorized Signature:

 Michelle M. Morris

Title: Technical Director/Representative

Date: 11/18/22

# ORGANICS

# VOLATILES

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**SAMPLE RESULTS**

Lab ID: L2264103-01  
 Client ID: MW-05-DEP  
 Sample Location: 65 ECKFORD S, BROOKLYN, NY

Date Collected: 11/15/22 08:45  
 Date Received: 11/15/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 128,624.1  
 Analytical Date: 11/16/22 19:44  
 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	1.2		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	0.73	J	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	0.57	J	ug/l	1.0	0.34	1
Xylenes, Total	0.57	J	ug/l	1.0	0.30	1
Methyl tert butyl Ether	ND		ug/l	10	0.19	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	93		60-140
Fluorobenzene	110		60-140
4-Bromofluorobenzene	91		60-140

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 128,624.1  
Analytical Date: 11/16/22 18:43  
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1713591-4					
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	95		60-140
Fluorobenzene	107		60-140
4-Bromofluorobenzene	91		60-140

### Lab Control Sample Analysis Batch Quality Control

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1713591-3								
Chloroform	120		-		70-135	-		54
Carbon tetrachloride	110		-		70-130	-		41
Tetrachloroethene	95		-		70-130	-		39
1,1,1-Trichloroethane	115		-		70-130	-		36
Benzene	120		-		65-135	-		61
Toluene	105		-		70-130	-		41
Ethylbenzene	100		-		60-140	-		63
1,4-Dichlorobenzene	95		-		65-135	-		57
p/m-Xylene	95		-		60-140	-		30
o-Xylene	95		-		60-140	-		30
Methyl tert butyl Ether	105		-		60-140	-		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Pentafluorobenzene	95				60-140
Fluorobenzene	107				60-140
4-Bromofluorobenzene	94				60-140



# SEMIVOLATILES

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**SAMPLE RESULTS**

Lab ID: L2264103-01  
 Client ID: MW-05-DEP  
 Sample Location: 65 ECKFORD S, BROOKLYN, NY

Date Collected: 11/15/22 08:45  
 Date Received: 11/15/22  
 Field Prep: Not Specified

Sample Depth:

Matrix: Water  
 Analytical Method: 129,625.1  
 Analytical Date: 11/16/22 19:43  
 Analyst: SZ

Extraction Method: EPA 625.1  
 Extraction Date: 11/16/22 03:25

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	56		25-87
Phenol-d6	38		16-65
Nitrobenzene-d5	75		42-122
2-Fluorobiphenyl	78		46-121
2,4,6-Tribromophenol	85		45-128
4-Terphenyl-d14	84		47-138

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 129,625.1  
Analytical Date: 11/16/22 19:17  
Analyst: SZ

Extraction Method: EPA 625.1  
Extraction Date: 11/16/22 03:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1712726-1					
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	54		25-87
Phenol-d6	38		16-65
Nitrobenzene-d5	73		42-122
2-Fluorobiphenyl	80		46-121
2,4,6-Tribromophenol	81		45-128
4-Terphenyl-d14	91		47-138

## Lab Control Sample Analysis

Batch Quality Control

Project Name: 65 ECKFORD STREET

Lab Number: L2264103

Project Number: 0202156

Report Date: 11/18/22

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1712726-2								
1,2,4-Trichlorobenzene	67		-		57-130	-		50
Naphthalene	73		-		36-120	-		65
Phenol	42		-		17-120	-		64

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	61				25-87
Phenol-d6	46				16-65
Nitrobenzene-d5	82				42-122
2-Fluorobiphenyl	87				46-121
2,4,6-Tribromophenol	82				45-128
4-Terphenyl-d14	87				47-138

# PCBS

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**SAMPLE RESULTS**

Lab ID: L2264103-01  
 Client ID: MW-05-DEP  
 Sample Location: 65 ECKFORD S, BROOKLYN, NY

Date Collected: 11/15/22 08:45  
 Date Received: 11/15/22  
 Field Prep: Not Specified

## Sample Depth:

Matrix: Water  
 Analytical Method: 127,608.3  
 Analytical Date: 11/17/22 08:58  
 Analyst: ER

Extraction Method: EPA 608.3  
 Extraction Date: 11/16/22 03:30  
 Cleanup Method: EPA 3665A  
 Cleanup Date: 11/16/22  
 Cleanup Method: EPA 3660B  
 Cleanup Date: 11/16/22

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	61		37-123	A
Decachlorobiphenyl	39		38-114	A
2,4,5,6-Tetrachloro-m-xylene	64		37-123	B
Decachlorobiphenyl	41		38-114	B

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**Method Blank Analysis  
Batch Quality Control**

Analytical Method: 127,608.3  
Analytical Date: 11/17/22 08:41  
Analyst: ER

Extraction Method: EPA 608.3  
Extraction Date: 11/16/22 03:30  
Cleanup Method: EPA 3665A  
Cleanup Date: 11/16/22  
Cleanup Method: EPA 3660B  
Cleanup Date: 11/16/22

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1712727-1						
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	63		37-123	A
Decachlorobiphenyl	34	Q	38-114	A
2,4,5,6-Tetrachloro-m-xylene	68		37-123	B
Decachlorobiphenyl	34	Q	38-114	B

### Lab Control Sample Analysis Batch Quality Control

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1712727-2									
Aroclor 1016	78		-		50-140	-		36	A
Aroclor 1260	73		-		8-140	-		38	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67				37-123	A
Decachlorobiphenyl	69				38-114	A
2,4,5,6-Tetrachloro-m-xylene	72				37-123	B
Decachlorobiphenyl	72				38-114	B

## METALS

**Project Name:** 65 ECKFORD STREET**Lab Number:** L2264103**Project Number:** 0202156**Report Date:** 11/18/22**SAMPLE RESULTS**

Lab ID: L2264103-01

Date Collected: 11/15/22 08:45

Client ID: MW-05-DEP

Date Received: 11/15/22

Sample Location: 65 ECKFORD S, 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	11/16/22 11:59	11/17/22 00:06	EPA 3005A	19,200.7	MRC
Copper, Total	0.0075	J	mg/l	0.0100	0.0022	1	11/16/22 11:59	11/17/22 00:06	EPA 3005A	19,200.7	MRC
Lead, Total	0.0103		mg/l	0.0100	0.0027	1	11/16/22 11:59	11/17/22 00:06	EPA 3005A	19,200.7	MRC
Mercury, Total	ND		mg/l	0.00020	0.00009	1	11/16/22 12:37	11/16/22 16:26	EPA 245.1	3,245.1	DJR
Nickel, Total	ND		mg/l	0.0250	0.0024	1	11/16/22 11:59	11/17/22 00:06	EPA 3005A	19,200.7	MRC
Zinc, Total	0.0242	J	mg/l	0.0500	0.0021	1	11/16/22 11:59	11/17/22 00:06	EPA 3005A	19,200.7	MRC



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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

## 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 Batch: WG1712765-1									
Cadmium, Total	ND	mg/l	0.0050	0.0010	1	11/16/22 11:59	11/16/22 23:53	19,200.7	MRC
Copper, Total	ND	mg/l	0.0100	0.0022	1	11/16/22 11:59	11/16/22 23:53	19,200.7	MRC
Lead, Total	ND	mg/l	0.0100	0.0027	1	11/16/22 11:59	11/16/22 23:53	19,200.7	MRC
Nickel, Total	ND	mg/l	0.0250	0.0024	1	11/16/22 11:59	11/16/22 23:53	19,200.7	MRC
Zinc, Total	ND	mg/l	0.0500	0.0021	1	11/16/22 11:59	11/16/22 23:53	19,200.7	MRC

### 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 Batch: WG1712767-1									
Mercury, Total	ND	mg/l	0.00020	0.00009	1	11/16/22 12:37	11/16/22 16:20	3,245.1	DJR

### Prep Information

Digestion Method: EPA 245.1

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2264103

**Report Date:** 11/18/22

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1712765-2								
Cadmium, Total	99		-		85-115	-		
Copper, Total	98		-		85-115	-		
Lead, Total	96		-		85-115	-		
Nickel, Total	92		-		85-115	-		
Zinc, Total	95		-		85-115	-		
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1712767-2								
Mercury, Total	88		-		85-115	-		

### Matrix Spike Analysis Batch Quality Control

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Qual	MSD Found	MSD %Recovery	MSD Qual	Recovery Limits	RPD	RPD Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1712765-3    QC Sample: L2264143-01    Client ID: MS Sample												
Cadmium, Total	ND	0.053	0.0572	108	-	-	-	-	75-125	-	-	20
Copper, Total	0.005J	0.25	0.279	112	-	-	-	-	75-125	-	-	20
Lead, Total	ND	0.53	0.527	99	-	-	-	-	75-125	-	-	20
Nickel, Total	0.003J	0.5	0.496	99	-	-	-	-	75-125	-	-	20
Zinc, Total	0.017J	0.5	0.538	108	-	-	-	-	75-125	-	-	20
Total Metals - Mansfield Lab Associated sample(s): 01    QC Batch ID: WG1712767-3    QC Sample: L2264103-01    Client ID: MW-05-DEP												
Mercury, Total	ND	0.005	0.00442	88	-	-	-	-	70-130	-	-	20

## Lab Duplicate Analysis

*Batch Quality Control*

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2264103

**Report Date:** 11/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1712767-4 QC Sample: L2264103-01 Client ID: MW-05-DEP						
Mercury, Total	ND	ND	mg/l	NC		20

# **INORGANICS & MISCELLANEOUS**

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**SAMPLE RESULTS**

**Lab ID:** L2264103-01  
**Client ID:** MW-05-DEP  
**Sample Location:** 65 ECKFORD S, BROOKLYN, NY

**Date Collected:** 11/15/22 08:45  
**Date Received:** 11/15/22  
**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	960		mg/l	40	NA	4	-	11/17/22 04:49	121,2540B	DW
Solids, Total Suspended	48.		mg/l	10	NA	2	-	11/17/22 08:20	121,2540D	CN
Chloride	57.		mg/l	1.0	0.89	1	-	11/17/22 23:26	121,4500CL-E	TLH
pH (H)	6.8		SU	-	NA	1	-	11/16/22 10:27	121,4500H+-B	KES
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	11/16/22 05:31	44,353.2	KAF
Total Nitrogen	6.8		mg/l	0.30	0.30	1	-	11/18/22 16:42	107,-	JO
Nitrogen, Total Kjeldahl	6.77		mg/l	0.300	0.066	1	11/16/22 23:33	11/17/22 18:56	121,4500NH3-H	AT
Non-Polar Material by EPA 1664	ND		mg/l	4.00	1.24	1	11/17/22 13:00	11/17/22 15:17	140,1664B	JM
Flash Point	>150		deg F	70	NA	1	-	11/17/22 08:40	1,1010A	MRM
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/16/22 07:40	11/16/22 08:06	121,3500CR-B	KEP



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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

**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 Batch: WG1712725-1										
Nitrogen, Nitrate/Nitrite	ND		mg/l	0.10	0.046	1	-	11/16/22 02:07	44,353.2	KAF
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1712825-1										
Chromium, Hexavalent	ND		mg/l	0.010	0.003	1	11/16/22 07:40	11/16/22 08:04	121,3500CR-B	KEP
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1713166-1										
Nitrogen, Total Kjeldahl	ND		mg/l	0.300	0.022	1	11/16/22 23:33	11/17/22 18:43	121,4500NH3-H	AT
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1713276-1										
Solids, Total	ND		mg/l	10	NA	1	-	11/17/22 04:49	121,2540B	DW
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1713388-1										
Solids, Total Suspended	ND		mg/l	5.0	NA	1	-	11/17/22 08:20	121,2540D	CN
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1713403-1										
Non-Polar Material by EPA 1664	ND		mg/l	4.00	1.24	1	11/17/22 13:00	11/17/22 15:17	140,1664B	JM
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1713652-1										
Chloride	ND		mg/l	1.0	0.89	1	-	11/17/22 20:06	121,4500CL-E	TLH

## Lab Control Sample Analysis

Batch Quality Control

**Project Name:** 65 ECKFORD STREET

**Project Number:** 0202156

**Lab Number:** L2264103

**Report Date:** 11/18/22

Parameter	LCS		LCSD		%Recovery Limits	RPD	Qual	RPD Limits
	%Recovery	Qual	%Recovery	Qual				
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1712725-2								
Nitrogen, Nitrate/Nitrite	98		-		90-110	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1712779-1								
pH	100		-		99-101	-		5
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1712825-2								
Chromium, Hexavalent	102		-		85-115	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713166-2								
Nitrogen, Total Kjeldahl	108		-		78-122	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713276-2								
Solids, Total	92		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713388-2								
Solids, Total Suspended	84		-		80-120	-		
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713403-2								
Non-Polar Material by EPA 1664	93		-		64-132	-		34



## Lab Control Sample Analysis

Batch Quality Control

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713409-1					
Flash Point	100	-	96-104	-	
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1713652-2					
Chloride	100	-	90-110	-	

### Matrix Spike Analysis Batch Quality Control

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

**Lab Number:** L2264103  
**Report Date:** 11/18/22

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 QC Batch ID: WG1712725-4 QC Sample: L2264103-01 Client ID: MW-05-DEP												
Nitrogen, Nitrate/Nitrite	ND	4	4.0	100	-	-	-	-	80-120	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1712825-4 QC Sample: L2264103-01 Client ID: MW-05-DEP												
Chromium, Hexavalent	ND	0.1	0.103	103	-	-	-	-	85-115	-	-	20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713403-4 QC Sample: L2253988-68 Client ID: MS Sample												
Non-Polar Material by EPA 1664	ND	19.8	14.2	72	-	-	-	-	64-132	-	-	34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713652-4 QC Sample: L2262402-01 Client ID: MS Sample												
Chloride	7.3	20	29	108	-	-	-	-	58-140	-	-	7

## Lab Duplicate Analysis

*Batch Quality Control*

Project Name: 65 ECKFORD STREET

Project Number: 0202156

Lab Number: L2264103

Report Date: 11/18/22

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1712725-3 QC Sample: L2264103-01 Client ID: MW-05-DEP						
Nitrogen, Nitrate/Nitrite	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1712779-2 QC Sample: L2264167-01 Client ID: DUP Sample						
pH	7.4	7.4	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1712825-3 QC Sample: L2264103-01 Client ID: MW-05-DEP						
Chromium, Hexavalent	ND	ND	mg/l	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713276-3 QC Sample: L2264103-01 Client ID: MW-05-DEP						
Solids, Total	960	800	mg/l	18	Q	16
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713388-3 QC Sample: L2263869-01 Client ID: DUP Sample						
Solids, Total Suspended	460	550	mg/l	18		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713388-4 QC Sample: L2263802-01 Client ID: DUP Sample						
Solids, Total Suspended	300	230	mg/l	26		32
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713403-3 QC Sample: L2253988-68 Client ID: DUP Sample						
Non-Polar Material by EPA 1664	ND	ND	mg/l	NC		34
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1713652-3 QC Sample: L2262402-01 Client ID: DUP Sample						
Chloride	7.3	7.5	mg/l	3		7

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

Serial\_No:11182217:42  
**Lab Number:** L2264103  
**Report Date:** 11/18/22

**Sample Receipt and Container Information**

Were project specific reporting limits specified? YES

**Cooler Information**

**Cooler**                      **Custody Seal**  
A                                      Absent

**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2264103-01A	Vial Na2S2O3 preserved	A	NA		2.5	Y	Absent		624-NYDEP(7)
L2264103-01B	Vial Na2S2O3 preserved	A	NA		2.5	Y	Absent		624-NYDEP(7)
L2264103-01C	Vial Na2S2O3 preserved	A	NA		2.5	Y	Absent		624-NYDEP(7)
L2264103-01D	Plastic 250ml H2SO4 preserved	A	<2	<2	2.5	Y	Absent		TKN-4500(28),NO3/NO2-353(28),TNITROGEN(28)
L2264103-01E	Amber 250ml unpreserved	A	7	7	2.5	Y	Absent		FLASH()
L2264103-01F	Plastic 250ml HNO3 preserved	A	<2	<2	2.5	Y	Absent		NI-UI(180),ZN-UI(180),HG-U(28),CD-UI(180),CU-UI(180),PB-UI(180)
L2264103-01G	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		TSC-2540(7),HEXCR-3500(1),CL-4500(28),CBOD5(2),PH-4500(.01)
L2264103-01H	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		TSC-2540(7),HEXCR-3500(1),CL-4500(28),CBOD5(2),PH-4500(.01)
L2264103-01I	Plastic 950ml unpreserved	A	7	7	2.5	Y	Absent		TSS-2540(7)
L2264103-01J	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		625-NYDEP(7)
L2264103-01K	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		625-NYDEP(7)
L2264103-01L	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		NYPCH-608-2L(365)
L2264103-01M	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		NYPCH-608-2L(365)
L2264103-01N	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		NYPCH-608-2L(365)
L2264103-01O	Amber 1000ml Na2S2O3	A	7	7	2.5	Y	Absent		NYPCH-608-2L(365)
L2264103-01P	Amber 1000ml HCl preserved	A	NA		2.5	Y	Absent		NYTPH-1664(28)
L2264103-01Q	Amber 1000ml HCl preserved	A	NA		2.5	Y	Absent		NYTPH-1664(28)

\*Values in parentheses indicate holding time in days



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## GLOSSARY

### Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)  Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
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.

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### Footnotes

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

### Terms

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

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

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

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

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

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

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

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

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

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

### Data Qualifiers

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

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#### **Data Qualifiers**

Identified Compounds (TICs).

- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- 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.)

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**Project Number:** 0202156

**Lab Number:** L2264103  
**Report Date:** 11/18/22

## 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 624/624.1:** m/p-xylene, o-xylene, Naphthalene

**EPA 625/625.1:** alpha-Terpineol

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

**EPA 8270D/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 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

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

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

**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, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

**EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

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

#### Non-Potable Water

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

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

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

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

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

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

**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

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

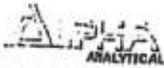
**SM2340B**

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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  
TEL: 508-898-8220  
FAX: 508-898-9183

Mansfield, MA  
TEL: 508-822-8900  
FAX: 508-822-3268

## Project Information

Project Name: *65 Eckford Street*

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

Project #: *0202156*

Project Manager: *MariCate Conlon*

ALPHA Quote #:

Turn-Around Time

Standard  Rush (ONLY IF PRE-APPROVED)

Due Date: Time:

## Client Information

Client: *Haley & Aldrich of New York*

Address: *237 West 35th Street, New York, NY 10123* Floor 6

Phone:

Fax:

Email: *MConlon@haleyaldrich.com*

These samples have been previously analyzed by Alpha

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: *11/15/22*

ALPHA Job #: *L2264103*

## Report Information: Data Deliverables

FAX  EMAIL  
 ADEX  Add'l Deliverables

## Billing Information

Same as Client Info PO #:

## Regulatory Requirements/Report Limits

State/Fed Program

NYC Sanitary and Combined Sewer Discharge

Criteria

NYC-SEWER

## MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

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

## 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"/>									

## SAMPLE HANDLING

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

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials
		Date	Time		
<i>64103-01</i>	<i>MW-05-DEP</i>	<i>11/15/22</i>	<i>0845</i>	<i>Water</i>	<i>ZS</i>

LEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT  
IA MCP or CT RCP?

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

Relinquished By:	Date/Time	Received By:	Date/Time
<i>MariCate Conlon</i>	<i>11/15/22</i>	<i>Donna Schoeden</i>	<i>11/15/22 10:50</i>
<i>Donna Schoeden</i>	<i>11/15/22</i>	<i>Donna Schoeden</i>	<i>11/15/22 16:30</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.