



Monthly Progress Report No. 17

Bedford Beverly Redevelopment BCP Site
2359 and 2360 Bedford Avenue, Brooklyn, NY
Brownfield Cleanup Program Site #: **C224384**
Reporting Period: 01 August – 31 August 2024

1. Introduction

In accordance with the reporting requirements of the 24 April 2023 Brownfield Site Cleanup Agreement (BCA) for the Bedford Beverly Redevelopment Brownfield Cleanup Program (BCP) Site, located at 2359 and 2360 Bedford Avenue in Brooklyn, NY (Site), Haley & Aldrich of New York (Haley & Aldrich), has prepared this monthly progress report, on behalf of Bedford Beverly Acquisitions LLC, (the Volunteer), to summarize the work performed at the Site from 01 August through 31 August 2024.

The Site, identified as Block 5133, Lot 14 and Block 5135, Lot 53 on the New York City tax map, is located in the borough of Brooklyn and is comprised of two tax lots encompassing approximately 187,527 square feet (sq ft). The Site is bound to the north by a parking lot and multi-family residential buildings followed by Tilden Avenue, to the east by Loft Street followed by multi-family residential buildings, to the south by Beverly Road followed by multi-family residential buildings, and to the west by East 22nd Street, a theater, and commercial buildings. The building on Lot 14 was most recently operated by a Sears retail store and is currently a landmarked building utilized as furniture storage for an event rental company. The building on Lot 53 was most recently operated as an auto repair shop and was razed. The Site location is shown on Figure 1.

While the development plans are conceptual at this time, the Volunteer's planned project will consist of constructing new mixed-use commercial and residential buildings with cellars on Lot 14 and Lot 53. The new development is anticipated to extend approximately 15 to 20 feet below ground surface (ft bgs) and is compatible with the current zoning of C4-2 commercial.

2. Investigation or Remedial Actions Relative to the Site during this Reporting Period

Under the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Action Work Plan (RAWP) dated 15 November 2024, foundation work and remedial activities continued on the Site, which included soil excavation, preparation of subgrade and footings, and import of stone and RCA from approved facilities.

3. Actions Relative to the Site Anticipated for the Next Reporting Period(s)

Anticipated actions relative to the Site for the next reporting period include continued implementation of the remedy under the approved-RAWP.

4. Approved Activity Modifications (changes of work scope and/or schedule)

No activity modifications were approved by NYSDEC during this reporting period.

5. Deliverables Submitted During This Reporting Period

Twenty-one (21) Daily Reports were submitted to NYSDEC and NYSDOH, for work conducted during 01 August through 31 August 2024.

6. Sampling Results and Other Data

Per the request of NYSDEC, sampling results from the second round of post-remediation groundwater sampling is included in Attachment A.

7. Information Regarding Percentage of Completion

The Remedial Design is approximately 100% complete. The Remedial Action is approximately 95% complete.

8. Unresolved Delays Encountered or Anticipated That May Affect the Schedule and Mitigation Efforts

No unresolved delays were encountered during this reporting period.

9. Community Participation (CP) Plan Activities during This Reporting Period

None.

10. Activities Anticipated in Support of the CP Plan for the Next Reporting Period:

None.

11. Miscellaneous Information

None.

Figures

Figure 1 – Site Map

Attachments



Attachment A – Analytical Data for Post-Remediation Groundwater Monitoring Wells (Round 1)

Figures

GIS FILE PATH: \\haleyaldrich.com\share\GIS\Projects\2023\05_RIR\2023_05_0002_SITE_MAP.mxd — USER: khansen — LAST SAVED: 5/22/2023 2:34:46 PM

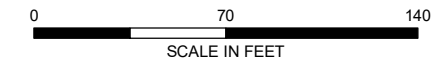


LEGEND

-  PARCEL BOUNDARY
-  SITE BOUNDARY

NOTES

1. ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE.
2. ASSESSOR PARCEL DATA SOURCE: KINGS COUNTY
3. AERIAL IMAGERY SOURCE: NEARMAP, 27 FEBRUARY 2022



HALEY ALDRICH BEDFORD BEVERLY BROWNFIELD SITE
2359 AND 2360 BEDFORD AVENUE
BROOKLYN, NEW YORK

SITE MAP

MAY 2023

FIGURE 1

Attachment A
Post-Remediation Groundwater Sampling Data – Round 2



ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Levy
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 8/26/2024 4:52:23 PM

JOB DESCRIPTION

Bedford Beverly Redevelopment

JOB NUMBER

460-308785-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
8/26/2024 4:52:23 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	9
QC Sample Results	10
QC Association Summary	16
Lab Chronicle	17
Certification Summary	18
Method Summary	19
Sample Summary	20
Chain of Custody	21
Receipt Checklists	23

Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Haley & Aldrich, Inc.
Project: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Job ID: 460-308785-1

Eurofins Edison

CASE NARRATIVE

Client: Haley & Aldrich, Inc.

Project: Bedford Beverly Redevelopment

Report Number: 460-308785-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 8/1/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.5°C.

Receipt Exceptions

The following samples were listed on the Chain of Custody (COC); however, no samples were received: PR-MW-04_20240801 (460-308785-1) and DUP-02_20240801 (460-308785-3).

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples PR-MW-03_20240801 (460-308785-2), TB-02_20240801 (460-308785-4) and FB-02_20240801 (460-308785-5) were analyzed for Volatile Organic Compounds (GC/MS) in accordance with EPA SW-846 Method 8260D. The samples were analyzed on 08/06/2024.

The minimum response factor in continuing calibration verification (CCV) analyzed in batch 460-989041 was outside the method criteria for the following analyte: Methyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is considered estimated.

No other difficulties were encountered during the Volatiles analysis.

All other quality control parameters were within the acceptance limits.

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Client Sample ID: PR-MW-03_20240801

Lab Sample ID: 460-308785-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.86	J	1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: TB-02_20240801

Lab Sample ID: 460-308785-4

No Detections.

Client Sample ID: FB-02_20240801

Lab Sample ID: 460-308785-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.33	J	1.0	0.32	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Client Sample ID: PR-MW-03_20240801

Lab Sample ID: 460-308785-2

Date Collected: 08/01/24 14:30

Matrix: Water

Date Received: 08/01/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.86	J	1.0	0.25	ug/L			08/06/24 20:03	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	91		70 - 128					08/06/24 20:03	1
4-Bromofluorobenzene	96		76 - 120					08/06/24 20:03	1
Dibromofluoromethane (Surr)	98		77 - 132					08/06/24 20:03	1
Toluene-d8 (Surr)	101		80 - 120					08/06/24 20:03	1

Client Sample ID: TB-02_20240801

Lab Sample ID: 460-308785-4

Date Collected: 08/01/24 00:00

Matrix: Water

Date Received: 08/01/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/06/24 11:25	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	94		70 - 128					08/06/24 11:25	1
4-Bromofluorobenzene	95		76 - 120					08/06/24 11:25	1
Dibromofluoromethane (Surr)	95		77 - 132					08/06/24 11:25	1
Toluene-d8 (Surr)	101		80 - 120					08/06/24 11:25	1

Client Sample ID: FB-02_20240801

Lab Sample ID: 460-308785-5

Date Collected: 08/01/24 15:00

Matrix: Water

Date Received: 08/01/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/06/24 11:45	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			08/06/24 11:45	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/06/24 11:45	1
1,1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			08/06/24 11:45	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/06/24 11:45	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/06/24 11:45	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			08/06/24 11:45	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/06/24 11:45	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/06/24 11:45	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			08/06/24 11:45	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/06/24 11:45	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/06/24 11:45	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			08/06/24 11:45	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/06/24 11:45	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/06/24 11:45	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/06/24 11:45	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/06/24 11:45	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			08/06/24 11:45	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			08/06/24 11:45	1
Acetone	5.0	U	5.0	4.4	ug/L			08/06/24 11:45	1
Benzene	1.0	U	1.0	0.20	ug/L			08/06/24 11:45	1
Bromoform	1.0	U	1.0	0.54	ug/L			08/06/24 11:45	1
Bromomethane	1.0	U	1.0	0.55	ug/L			08/06/24 11:45	1

Eurofins Edison

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Client Sample ID: FB-02_20240801

Lab Sample ID: 460-308785-5

Date Collected: 08/01/24 15:00

Matrix: Water

Date Received: 08/01/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	1.0	U	1.0	0.82	ug/L			08/06/24 11:45	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/06/24 11:45	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/06/24 11:45	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			08/06/24 11:45	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			08/06/24 11:45	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/06/24 11:45	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/06/24 11:45	1
Chloromethane	1.0	U	1.0	0.40	ug/L			08/06/24 11:45	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/06/24 11:45	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/06/24 11:45	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			08/06/24 11:45	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			08/06/24 11:45	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			08/06/24 11:45	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/06/24 11:45	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			08/06/24 11:45	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			08/06/24 11:45	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			08/06/24 11:45	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/06/24 11:45	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			08/06/24 11:45	1
Methylene Chloride	0.33	J	1.0	0.32	ug/L			08/06/24 11:45	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/06/24 11:45	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/06/24 11:45	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/06/24 11:45	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/06/24 11:45	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/06/24 11:45	1
Styrene	1.0	U	1.0	0.42	ug/L			08/06/24 11:45	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/06/24 11:45	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/06/24 11:45	1
Toluene	1.0	U	1.0	0.38	ug/L			08/06/24 11:45	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/06/24 11:45	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/06/24 11:45	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/06/24 11:45	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			08/06/24 11:45	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/06/24 11:45	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/06/24 11:45	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 128					08/06/24 11:45	1
4-Bromofluorobenzene	95		76 - 120					08/06/24 11:45	1
Dibromofluoromethane (Surr)	93		77 - 132					08/06/24 11:45	1
Toluene-d8 (Surr)	101		80 - 120					08/06/24 11:45	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(70-128)	(76-120)	(77-132)	(80-120)
460-308785-2	PR-MW-03_20240801	91	96	98	101
460-308785-2 MS	PR-MW-03_20240801	92	98	97	100
460-308785-2 MSD	PR-MW-03_20240801	93	101	98	100
460-308785-4	TB-02_20240801	94	95	95	101
460-308785-5	FB-02_20240801	95	95	93	101
LCS 460-989041/4	Lab Control Sample	93	97	96	100
LCS 460-989135/6	Lab Control Sample	98	98	99	99
LCSD 460-989041/5	Lab Control Sample Dup	93	99	95	101
LCSD 460-989135/7	Lab Control Sample Dup	96	99	98	100
MB 460-989041/8	Method Blank	97	96	97	100
MB 460-989135/10	Method Blank	96	95	96	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Haley & Aldrich, Inc.
 Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: MB 460-989041/8
Matrix: Water
Analysis Batch: 989041

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/06/24 08:25	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			08/06/24 08:25	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/06/24 08:25	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			08/06/24 08:25	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/06/24 08:25	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/06/24 08:25	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			08/06/24 08:25	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/06/24 08:25	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/06/24 08:25	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			08/06/24 08:25	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/06/24 08:25	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/06/24 08:25	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			08/06/24 08:25	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/06/24 08:25	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/06/24 08:25	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/06/24 08:25	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/06/24 08:25	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			08/06/24 08:25	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			08/06/24 08:25	1
Acetone	5.0	U	5.0	4.4	ug/L			08/06/24 08:25	1
Benzene	1.0	U	1.0	0.20	ug/L			08/06/24 08:25	1
Bromoform	1.0	U	1.0	0.54	ug/L			08/06/24 08:25	1
Bromomethane	1.0	U	1.0	0.55	ug/L			08/06/24 08:25	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			08/06/24 08:25	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/06/24 08:25	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/06/24 08:25	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			08/06/24 08:25	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			08/06/24 08:25	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/06/24 08:25	1
Chloromethane	1.0	U	1.0	0.40	ug/L			08/06/24 08:25	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/06/24 08:25	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/06/24 08:25	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			08/06/24 08:25	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			08/06/24 08:25	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/06/24 08:25	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			08/06/24 08:25	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			08/06/24 08:25	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			08/06/24 08:25	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/06/24 08:25	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			08/06/24 08:25	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/06/24 08:25	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/06/24 08:25	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/06/24 08:25	1

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: MB 460-989041/8
Matrix: Water
Analysis Batch: 989041

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Styrene	1.0	U	1.0	0.42	ug/L			08/06/24 08:25	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/06/24 08:25	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/06/24 08:25	1
Toluene	1.0	U	1.0	0.38	ug/L			08/06/24 08:25	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/06/24 08:25	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/06/24 08:25	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/06/24 08:25	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			08/06/24 08:25	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/06/24 08:25	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/06/24 08:25	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	97		70 - 128		08/06/24 08:25	1
4-Bromofluorobenzene	96		76 - 120		08/06/24 08:25	1
Dibromofluoromethane (Surr)	97		77 - 132		08/06/24 08:25	1
Toluene-d8 (Surr)	100		80 - 120		08/06/24 08:25	1

Lab Sample ID: LCS 460-989041/4
Matrix: Water
Analysis Batch: 989041

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.8		ug/L		104	65 - 142
1,1,2-Trichloroethane	20.0	20.1		ug/L		100	74 - 125
1,1-Dichloroethane	20.0	22.3		ug/L		111	73 - 130
1,1-Dichloroethene	20.0	21.3		ug/L		107	68 - 133
1,2,3-Trichlorobenzene	20.0	21.9		ug/L		109	55 - 150
1,2,4-Trichlorobenzene	20.0	19.8		ug/L		99	67 - 132
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,2-Dibromo-3-Chloropropane	20.0	15.4		ug/L		77	58 - 132
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120
1,2-Dichloroethane	20.0	20.0		ug/L		100	66 - 129
1,2-Dichloropropane	20.0	19.4		ug/L		97	72 - 128
1,3,5-Trimethylbenzene	20.0	22.6		ug/L		113	75 - 125
1,3-Dichlorobenzene	20.0	22.4		ug/L		112	80 - 120
1,4-Dichlorobenzene	20.0	23.0		ug/L		115	80 - 120
2-Butanone (MEK)	100	99.4		ug/L		99	65 - 142
2-Hexanone	100	112		ug/L		112	72 - 134
4-Methyl-2-pentanone (MIBK)	100	111		ug/L		111	77 - 130
Acetone	100	97.1		ug/L		97	60 - 133
Benzene	20.0	22.6		ug/L		113	71 - 126
Bromoform	20.0	17.7		ug/L		89	58 - 128
Bromomethane	20.0	26.8		ug/L		134	33 - 150
Carbon disulfide	20.0	21.0		ug/L		105	35 - 150
Carbon tetrachloride	20.0	21.4		ug/L		107	65 - 131
Chlorobenzene	20.0	22.3		ug/L		112	80 - 120

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: LCS 460-989041/4
Matrix: Water
Analysis Batch: 989041

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chlorobromomethane	20.0	19.6		ug/L		98	71 - 134
Chlorodibromomethane	20.0	18.8		ug/L		94	73 - 121
Chloroethane	20.0	24.4		ug/L		122	54 - 150
Chloroform	20.0	22.1		ug/L		111	78 - 125
Chloromethane	20.0	21.7		ug/L		109	43 - 149
cis-1,2-Dichloroethene	20.0	20.9		ug/L		104	78 - 121
cis-1,3-Dichloropropene	20.0	19.3		ug/L		96	74 - 125
Cyclohexane	20.0	20.4		ug/L		102	64 - 142
Dichlorobromomethane	20.0	18.7		ug/L		94	76 - 121
Dichlorodifluoromethane	20.0	18.8		ug/L		94	38 - 144
Ethylbenzene	20.0	22.9		ug/L		114	78 - 120
Ethylene Dibromide	20.0	18.5		ug/L		93	79 - 126
Isopropylbenzene	20.0	22.4		ug/L		112	79 - 125
Methyl acetate	40.0	35.3		ug/L		88	50 - 147
Methyl tert-butyl ether	20.0	18.8		ug/L		94	72 - 131
Methylcyclohexane	20.0	19.0		ug/L		95	63 - 138
Methylene Chloride	20.0	20.8		ug/L		104	74 - 127
m-Xylene & p-Xylene	20.0	22.2		ug/L		111	78 - 120
n-Butylbenzene	20.0	23.6		ug/L		118	69 - 135
N-Propylbenzene	20.0	23.0		ug/L		115	68 - 129
o-Xylene	20.0	21.1		ug/L		106	78 - 120
sec-Butylbenzene	20.0	22.2		ug/L		111	77 - 129
Styrene	20.0	20.8		ug/L		104	82 - 127
tert-Butylbenzene	20.0	20.9		ug/L		105	78 - 120
Tetrachloroethene	20.0	22.0		ug/L		110	70 - 127
Toluene	20.0	21.8		ug/L		109	78 - 120
trans-1,2-Dichloroethene	20.0	21.9		ug/L		109	70 - 126
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	71 - 127
Trichloroethene	20.0	20.1		ug/L		101	73 - 121
Trichlorofluoromethane	20.0	21.9		ug/L		110	62 - 134
Vinyl chloride	20.0	21.5		ug/L		108	55 - 144
Xylenes, Total	40.0	43.4		ug/L		108	80 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 128
4-Bromofluorobenzene	97		76 - 120
Dibromofluoromethane (Surr)	96		77 - 132
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: LCSD 460-989041/5
Matrix: Water
Analysis Batch: 989041

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	23.3		ug/L		117	72 - 128	1	30
1,1,1,2,2-Tetrachloroethane	20.0	17.2		ug/L		86	63 - 139	13	30
1,1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.9		ug/L		104	65 - 142	0	30
1,1,2-Trichloroethane	20.0	19.1		ug/L		96	74 - 125	5	30

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: LCSD 460-989041/5
Matrix: Water
Analysis Batch: 989041

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1-Dichloroethane	20.0	22.8		ug/L		114	73 - 130	2	30
1,1-Dichloroethene	20.0	21.3		ug/L		107	68 - 133	0	30
1,2,3-Trichlorobenzene	20.0	21.0		ug/L		105	55 - 150	4	30
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	67 - 132	1	30
1,2,4-Trimethylbenzene	20.0	22.0		ug/L		110	75 - 125	2	30
1,2-Dibromo-3-Chloropropane	20.0	15.0		ug/L		75	58 - 132	2	30
1,2-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120	2	30
1,2-Dichloroethane	20.0	19.7		ug/L		99	66 - 129	2	30
1,2-Dichloropropane	20.0	19.4		ug/L		97	72 - 128	0	30
1,3,5-Trimethylbenzene	20.0	21.9		ug/L		110	75 - 125	3	30
1,3-Dichlorobenzene	20.0	22.3		ug/L		111	80 - 120	0	30
1,4-Dichlorobenzene	20.0	21.4		ug/L		107	80 - 120	7	30
2-Butanone (MEK)	100	101		ug/L		101	65 - 142	1	30
2-Hexanone	100	106		ug/L		106	72 - 134	6	30
4-Methyl-2-pentanone (MIBK)	100	110		ug/L		110	77 - 130	1	30
Acetone	100	93.3		ug/L		93	60 - 133	4	30
Benzene	20.0	22.3		ug/L		111	71 - 126	1	30
Bromoform	20.0	17.2		ug/L		86	58 - 128	3	30
Bromomethane	20.0	26.1		ug/L		131	33 - 150	3	30
Carbon disulfide	20.0	20.6		ug/L		103	35 - 150	2	30
Carbon tetrachloride	20.0	22.0		ug/L		110	65 - 131	3	30
Chlorobenzene	20.0	21.9		ug/L		109	80 - 120	2	30
Chlorobromomethane	20.0	18.1		ug/L		91	71 - 134	8	30
Chlorodibromomethane	20.0	18.5		ug/L		93	73 - 121	1	30
Chloroethane	20.0	24.3		ug/L		121	54 - 150	1	30
Chloroform	20.0	21.5		ug/L		107	78 - 125	3	30
Chloromethane	20.0	21.2		ug/L		106	43 - 149	3	30
cis-1,2-Dichloroethene	20.0	20.8		ug/L		104	78 - 121	1	30
cis-1,3-Dichloropropene	20.0	19.1		ug/L		96	74 - 125	1	30
Cyclohexane	20.0	20.0		ug/L		100	64 - 142	2	30
Dichlorobromomethane	20.0	18.7		ug/L		93	76 - 121	0	30
Dichlorodifluoromethane	20.0	18.5		ug/L		92	38 - 144	1	30
Ethylbenzene	20.0	21.9		ug/L		110	78 - 120	4	30
Ethylene Dibromide	20.0	18.4		ug/L		92	79 - 126	1	30
Isopropylbenzene	20.0	21.7		ug/L		109	79 - 125	3	30
Methyl acetate	40.0	35.9		ug/L		90	50 - 147	2	30
Methyl tert-butyl ether	20.0	18.6		ug/L		93	72 - 131	1	30
Methylcyclohexane	20.0	19.2		ug/L		96	63 - 138	1	30
Methylene Chloride	20.0	20.4		ug/L		102	74 - 127	2	30
m-Xylene & p-Xylene	20.0	21.9		ug/L		110	78 - 120	1	30
n-Butylbenzene	20.0	22.8		ug/L		114	69 - 135	4	30
N-Propylbenzene	20.0	22.5		ug/L		112	68 - 129	2	30
o-Xylene	20.0	20.6		ug/L		103	78 - 120	2	30
sec-Butylbenzene	20.0	21.8		ug/L		109	77 - 129	2	30
Styrene	20.0	20.5		ug/L		102	82 - 127	2	30
tert-Butylbenzene	20.0	20.9		ug/L		104	78 - 120	0	30
Tetrachloroethene	20.0	22.0		ug/L		110	70 - 127	0	30
Toluene	20.0	21.6		ug/L		108	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	20.9		ug/L		105	70 - 126	4	30

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: LCSD 460-989041/5
Matrix: Water
Analysis Batch: 989041

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
trans-1,3-Dichloropropene	20.0	18.4		ug/L		92	71 - 127	4	30
Trichloroethene	20.0	20.4		ug/L		102	73 - 121	1	30
Trichlorofluoromethane	20.0	22.2		ug/L		111	62 - 134	1	30
Vinyl chloride	20.0	20.4		ug/L		102	55 - 144	5	30
Xylenes, Total	40.0	42.6		ug/L		106	80 - 120	2	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 128
4-Bromofluorobenzene	99		76 - 120
Dibromofluoromethane (Surr)	95		77 - 132
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 460-989135/10
Matrix: Water
Analysis Batch: 989135

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/06/24 19:23	1

Surrogate	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	96		70 - 128		08/06/24 19:23	1
4-Bromofluorobenzene	95		76 - 120		08/06/24 19:23	1
Dibromofluoromethane (Surr)	96		77 - 132		08/06/24 19:23	1
Toluene-d8 (Surr)	98		80 - 120		08/06/24 19:23	1

Lab Sample ID: LCS 460-989135/6
Matrix: Water
Analysis Batch: 989135

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Tetrachloroethene	20.0	20.4		ug/L		102	70 - 127

Surrogate	LCS %Recovery	LCS Qualifier	LCS Limits
1,2-Dichloroethane-d4 (Surr)	98		70 - 128
4-Bromofluorobenzene	98		76 - 120
Dibromofluoromethane (Surr)	99		77 - 132
Toluene-d8 (Surr)	99		80 - 120

Lab Sample ID: LCSD 460-989135/7
Matrix: Water
Analysis Batch: 989135

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Tetrachloroethene	20.0	19.4		ug/L		97	70 - 127	5	30

Surrogate	LCSD %Recovery	LCSD Qualifier	LCSD Limits
1,2-Dichloroethane-d4 (Surr)	96		70 - 128

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
 Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

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

Lab Sample ID: LCSD 460-989135/7
Matrix: Water
Analysis Batch: 989135

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

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene	99		76 - 120
Dibromofluoromethane (Surr)	98		77 - 132
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 460-308785-2 MS
Matrix: Water
Analysis Batch: 989135

Client Sample ID: PR-MW-03_20240801
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	Limits
	Result	Qualifier	Added	Result	Qualifier					
Tetrachloroethene	0.86	J	20.0	23.2		ug/L		112		70 - 127

Surrogate	MS		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	92		70 - 128
4-Bromofluorobenzene	98		76 - 120
Dibromofluoromethane (Surr)	97		77 - 132
Toluene-d8 (Surr)	100		80 - 120

Lab Sample ID: 460-308785-2 MSD
Matrix: Water
Analysis Batch: 989135

Client Sample ID: PR-MW-03_20240801
Prep Type: Total/NA

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec	Limits	RPD	RPD
	Result	Qualifier	Added	Result	Qualifier						Limit	
Tetrachloroethene	0.86	J	20.0	21.8		ug/L		105		70 - 127	6	30

Surrogate	MSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	93		70 - 128
4-Bromofluorobenzene	101		76 - 120
Dibromofluoromethane (Surr)	98		77 - 132
Toluene-d8 (Surr)	100		80 - 120

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

GC/MS VOA

Analysis Batch: 989041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-308785-4	TB-02_20240801	Total/NA	Water	8260D	
460-308785-5	FB-02_20240801	Total/NA	Water	8260D	
MB 460-989041/8	Method Blank	Total/NA	Water	8260D	
LCS 460-989041/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-989041/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 989135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-308785-2	PR-MW-03_20240801	Total/NA	Water	8260D	
MB 460-989135/10	Method Blank	Total/NA	Water	8260D	
LCS 460-989135/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-989135/7	Lab Control Sample Dup	Total/NA	Water	8260D	
460-308785-2 MS	PR-MW-03_20240801	Total/NA	Water	8260D	
460-308785-2 MSD	PR-MW-03_20240801	Total/NA	Water	8260D	

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Client Sample ID: PR-MW-03_20240801

Lab Sample ID: 460-308785-2

Date Collected: 08/01/24 14:30

Matrix: Water

Date Received: 08/01/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989135	VBP	EET EDI	08/06/24 20:03

Client Sample ID: TB-02_20240801

Lab Sample ID: 460-308785-4

Date Collected: 08/01/24 00:00

Matrix: Water

Date Received: 08/01/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989041	SZD	EET EDI	08/06/24 11:25

Client Sample ID: FB-02_20240801

Lab Sample ID: 460-308785-5

Date Collected: 08/01/24 15:00

Matrix: Water

Date Received: 08/01/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989041	SZD	EET EDI	08/06/24 11:45

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900



Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: Bedford Beverly Redevelopment

Job ID: 460-308785-1

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Collected</u>	<u>Received</u>
460-308785-2	PR-MW-03_20240801	Water	08/01/24 14:30	08/01/24 19:00
460-308785-4	TB-02_20240801	Water	08/01/24 00:00	08/01/24 19:00
460-308785-5	FB-02_20240801	Water	08/01/24 15:00	08/01/24 19:00

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody Record

685858  eurofins

Environment Testing
America

Address: _____

TAL-8210

Regulatory Program: DW NPDES RCRA Other: _____

Project Manager: Blakely Conroy Date: 8/01/2024
 Tel/Email: Blakely Conroy, blakely.c@eurofins.com Carrier: _____
 Analysis Turnaround Time: _____
 CALENDAR DAYS WORKING DAYS
 TAT if different from Below: Standard
 2 weeks 1 week 2 days 1 day

Client Contact: _____
 Company Name: Pylyon, Blakely
 Address: 213 West 35th St, 3rd Fl
 City/State/Zip: New York 10125
 Phone: _____
 Fax: _____
 Project Name: 2360 Bedford Beverly
 Site: 0208432
 PO #: _____

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Sample Specific Notes:	
						Filtered Sample (Y/N)	Perform MS / MSD (Y/N)
PA-MW-04-20240801	8/1/24	11:00	G	W	3	N	
PA-MW-03-20240801		2:30	G	W	9	N	
POP-02-20240801		11:05	G	W	3	N	
TB-02-20240801			G	W	2	N	
FD-02-20240801		3:00	G	W	2	N	



Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other _____

Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Are any samples from a listed EPA Hazardous Waste? Comments Section if the lab is to dispose of the sample.

Special Instructions/QC Requirements & Comments: All examples except Trip Blank run for Tetrachloroethene only

Relinquished by: <u>Eddy Nunez</u>	Relinquished Date/Time: <u>8/1/24 17:00</u>	Received by: <u>Blakely Conroy</u>	Received Date/Time: <u>8/1/24 17:00</u>
Relinquished by: <u>[Signature]</u>	Relinquished Date/Time: <u>8/1/24 18:45</u>	Received by: <u>[Signature]</u>	Received Date/Time: <u>8/1/24 19:00</u>
Relinquished by: <u>[Signature]</u>	Relinquished Date/Time: _____	Received by: _____	Received Date/Time: _____

Notes: RE # 9 11/15



Eurofins TestAmerica Edison
Receipt Temperature and pH Log

308785

Job Number: _____

Number of Coolers: 1 IR Gun # 9

Cooler #	RAW		CORRECTED	
	Temp (°C)	pH	Temp (°C)	pH
Cooler #1:	11	7.5	11	7.5
Cooler #2:	11	7.5	11	7.5
Cooler #3:	11	7.5	11	7.5
Cooler #4:	11	7.5	11	7.5
Cooler #5:	11	7.5	11	7.5
Cooler #6:	11	7.5	11	7.5
Cooler #7:	11	7.5	11	7.5
Cooler #8:	11	7.5	11	7.5
Cooler #9:	11	7.5	11	7.5

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols Sulfide (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other

If pH adjustments are required record the information below:

Sample No(s), adjusted: _____

Preservative Name/Conc.: _____

Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____

Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: [Signature]

Date: 8/1/2019



Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-308785-1

Login Number: 308785

List Number: 1

Creator: Rivera, Kenneth

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to Job Narrative for details.
Containers requiring zero headspace have no headspace or bubble is <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



ANALYTICAL REPORT

PREPARED FOR

Attn: Matthew Levy
Haley & Aldrich, Inc.
213 West 35th St
New York, New York 10001

Generated 8/13/2024 8:11:26 PM

JOB DESCRIPTION

2560 Bedford Beverly

JOB NUMBER

460-308797-1

Eurofins Edison

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Compliance Statement

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

Authorization



Generated
8/13/2024 8:11:26 PM

Authorized for release by
Elizabeth Flannery, Project Manager I
Elizabeth.Flannery@et.eurofinsus.com
(732)549-3900



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Surrogate Summary	11
QC Sample Results	12
QC Association Summary	18
Lab Chronicle	19
Certification Summary	20
Method Summary	21
Sample Summary	22
Chain of Custody	23
Receipt Checklists	25

Definitions/Glossary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: Haley & Aldrich, Inc.
Project: 2560 Bedford Beverly

Job ID: 460-308797-1

Job ID: 460-308797-1

Eurofins Edison

Job Narrative 460-308797-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 8/2/2024 7:00 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.6°C.

GC/MS VOA

Method 8260D: The continuing calibration verification (CCV) associated with batch 460-989236 recovered above the upper control limit for Trichlorofluoromethane. The minimum response factor for Methyl acetate was below required control limit. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

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

Eurofins Edison

Detection Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: PR-MW-01_20240802

Lab Sample ID: 460-308797-1

No Detections.

Client Sample ID: PR-MW-02_20240802

Lab Sample ID: 460-308797-2

No Detections.

Client Sample ID: PR-MW-04_20240802

Lab Sample ID: 460-308797-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
PCE	19		1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: DUP-02_20240802

Lab Sample ID: 460-308797-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.47	J	1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: TB-03_20240802

Lab Sample ID: 460-308797-5

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Edison

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: PR-MW-01_20240802

Lab Sample ID: 460-308797-1

Date Collected: 08/02/24 10:35

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/05/24 21:52	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 128					08/05/24 21:52	1
4-Bromofluorobenzene	97		76 - 120					08/05/24 21:52	1
Dibromofluoromethane (Surr)	93		77 - 132					08/05/24 21:52	1
Toluene-d8 (Surr)	103		80 - 120					08/05/24 21:52	1

Client Sample ID: PR-MW-02_20240802

Lab Sample ID: 460-308797-2

Date Collected: 08/02/24 12:50

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 09:04	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 128					08/07/24 09:04	1
4-Bromofluorobenzene	91		76 - 120					08/07/24 09:04	1
Dibromofluoromethane (Surr)	98		77 - 132					08/07/24 09:04	1
Toluene-d8 (Surr)	99		80 - 120					08/07/24 09:04	1

Client Sample ID: PR-MW-04_20240802

Lab Sample ID: 460-308797-3

Date Collected: 08/02/24 09:00

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCE	19		1.0	0.25	ug/L			08/05/24 22:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	93		70 - 128					08/05/24 22:12	1
4-Bromofluorobenzene	97		76 - 120					08/05/24 22:12	1
Dibromofluoromethane (Surr)	96		77 - 132					08/05/24 22:12	1
Toluene-d8 (Surr)	99		80 - 120					08/05/24 22:12	1

Client Sample ID: DUP-02_20240802

Lab Sample ID: 460-308797-4

Date Collected: 08/02/24 10:40

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/07/24 09:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			08/07/24 09:24	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/07/24 09:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			08/07/24 09:24	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/07/24 09:24	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/07/24 09:24	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			08/07/24 09:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/07/24 09:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 09:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			08/07/24 09:24	1

Eurofins Edison

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: DUP-02_20240802

Lab Sample ID: 460-308797-4

Date Collected: 08/02/24 10:40

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/07/24 09:24	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/07/24 09:24	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			08/07/24 09:24	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/07/24 09:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/07/24 09:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/07/24 09:24	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/07/24 09:24	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			08/07/24 09:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			08/07/24 09:24	1
Acetone	5.0	U	5.0	4.4	ug/L			08/07/24 09:24	1
Benzene	1.0	U	1.0	0.20	ug/L			08/07/24 09:24	1
Bromoform	1.0	U	1.0	0.54	ug/L			08/07/24 09:24	1
Bromomethane	1.0	U	1.0	0.55	ug/L			08/07/24 09:24	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			08/07/24 09:24	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/07/24 09:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/07/24 09:24	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			08/07/24 09:24	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			08/07/24 09:24	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/07/24 09:24	1
Chloromethane	1.0	U	1.0	0.40	ug/L			08/07/24 09:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/07/24 09:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 09:24	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			08/07/24 09:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			08/07/24 09:24	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/07/24 09:24	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			08/07/24 09:24	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 09:24	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			08/07/24 09:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/07/24 09:24	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			08/07/24 09:24	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/07/24 09:24	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/07/24 09:24	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 09:24	1
Styrene	1.0	U	1.0	0.42	ug/L			08/07/24 09:24	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 09:24	1
Tetrachloroethene	0.47	J	1.0	0.25	ug/L			08/07/24 09:24	1
Toluene	1.0	U	1.0	0.38	ug/L			08/07/24 09:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/07/24 09:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 09:24	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/07/24 09:24	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			08/07/24 09:24	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/07/24 09:24	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/07/24 09:24	1

Client Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: DUP-02_20240802

Lab Sample ID: 460-308797-4

Date Collected: 08/02/24 10:40

Matrix: Water

Date Received: 08/02/24 19:00

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	95		70 - 128		08/07/24 09:24	1
4-Bromofluorobenzene	95		76 - 120		08/07/24 09:24	1
Dibromofluoromethane (Surr)	96		77 - 132		08/07/24 09:24	1
Toluene-d8 (Surr)	99		80 - 120		08/07/24 09:24	1

Client Sample ID: TB-03_20240802

Lab Sample ID: 460-308797-5

Date Collected: 08/02/24 00:00

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/07/24 08:44	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			08/07/24 08:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/07/24 08:44	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			08/07/24 08:44	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/07/24 08:44	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/07/24 08:44	1
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			08/07/24 08:44	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:44	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:44	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			08/07/24 08:44	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/07/24 08:44	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/07/24 08:44	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			08/07/24 08:44	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/07/24 08:44	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:44	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/07/24 08:44	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/07/24 08:44	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			08/07/24 08:44	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			08/07/24 08:44	1
Acetone	5.0	U	5.0	4.4	ug/L			08/07/24 08:44	1
Benzene	1.0	U	1.0	0.20	ug/L			08/07/24 08:44	1
Bromoform	1.0	U	1.0	0.54	ug/L			08/07/24 08:44	1
Bromomethane	1.0	U	1.0	0.55	ug/L			08/07/24 08:44	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			08/07/24 08:44	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/07/24 08:44	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/07/24 08:44	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			08/07/24 08:44	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			08/07/24 08:44	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/07/24 08:44	1
Chloromethane	1.0	U	1.0	0.40	ug/L			08/07/24 08:44	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/07/24 08:44	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 08:44	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			08/07/24 08:44	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			08/07/24 08:44	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/07/24 08:44	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			08/07/24 08:44	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:44	1

Eurolins Edison

Client Sample Results

Client: Haley & Aldrich, Inc.
 Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: TB-03_20240802

Lab Sample ID: 460-308797-5

Date Collected: 08/02/24 00:00

Matrix: Water

Date Received: 08/02/24 19:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	5.0	U	5.0	0.79	ug/L			08/07/24 08:44	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/07/24 08:44	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			08/07/24 08:44	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/07/24 08:44	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/07/24 08:44	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:44	1
Styrene	1.0	U	1.0	0.42	ug/L			08/07/24 08:44	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:44	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/07/24 08:44	1
Toluene	1.0	U	1.0	0.38	ug/L			08/07/24 08:44	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/07/24 08:44	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 08:44	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/07/24 08:44	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			08/07/24 08:44	1
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/07/24 08:44	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/07/24 08:44	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	92		70 - 128					08/07/24 08:44	1
4-Bromofluorobenzene	93		76 - 120					08/07/24 08:44	1
Dibromofluoromethane (Surr)	95		77 - 132					08/07/24 08:44	1
Toluene-d8 (Surr)	100		80 - 120					08/07/24 08:44	1

Surrogate Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Matrix: Water

Prep Type: Total/NA

Percent Surrogate Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	DCA	BFB	DBFM	TOL
		(70-128)	(76-120)	(77-132)	(80-120)
460-308797-1	PR-MW-01_20240802	92	97	93	103
460-308797-2	PR-MW-02_20240802	95	91	98	99
460-308797-3	PR-MW-04_20240802	93	97	96	99
460-308797-4	DUP-02_20240802	95	95	96	99
460-308797-5	TB-03_20240802	92	93	95	100
LCS 460-988933/5	Lab Control Sample	91	97	94	98
LCS 460-989236/4	Lab Control Sample	93	95	96	98
LCSD 460-988933/6	Lab Control Sample Dup	94	97	96	99
LCSD 460-989236/5	Lab Control Sample Dup	96	99	99	101
MB 460-988933/9	Method Blank	96	92	95	98
MB 460-989236/8	Method Blank	94	94	94	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane (Surr)

TOL = Toluene-d8 (Surr)

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: MB 460-988933/9
Matrix: Water
Analysis Batch: 988933

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
PCE	1.0	U	1.0	0.25	ug/L			08/05/24 19:14	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/05/24 19:14	1
Surrogate	MB MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	96		70 - 128					08/05/24 19:14	1
4-Bromofluorobenzene	92		76 - 120					08/05/24 19:14	1
Dibromofluoromethane (Surr)	95		77 - 132					08/05/24 19:14	1
Toluene-d8 (Surr)	98		80 - 120					08/05/24 19:14	1

Lab Sample ID: LCS 460-988933/5
Matrix: Water
Analysis Batch: 988933

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits	
1,2,4-Trimethylbenzene	20.0	20.5		ug/L		102	75 - 125	
Surrogate	LCS LCS		Limits					
	%Recovery	Qualifier						
1,2-Dichloroethane-d4 (Surr)	91		70 - 128					
4-Bromofluorobenzene	97		76 - 120					
Dibromofluoromethane (Surr)	94		77 - 132					
Toluene-d8 (Surr)	98		80 - 120					

Lab Sample ID: LCSD 460-988933/6
Matrix: Water
Analysis Batch: 988933

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	20.0	23.0		ug/L		115	75 - 125	11	30
Surrogate	LCSD LCSD		Limits						
	%Recovery	Qualifier							
1,2-Dichloroethane-d4 (Surr)	94		70 - 128						
4-Bromofluorobenzene	97		76 - 120						
Dibromofluoromethane (Surr)	96		77 - 132						
Toluene-d8 (Surr)	99		80 - 120						

Lab Sample ID: MB 460-989236/8
Matrix: Water
Analysis Batch: 989236

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,1,1-Trichloroethane	1.0	U	1.0	0.24	ug/L			08/07/24 08:24	1
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.37	ug/L			08/07/24 08:24	1
1,1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	1.0	0.31	ug/L			08/07/24 08:24	1
1,1,2-Trichloroethane	1.0	U	1.0	0.20	ug/L			08/07/24 08:24	1
1,1-Dichloroethane	1.0	U	1.0	0.26	ug/L			08/07/24 08:24	1
1,1-Dichloroethene	1.0	U	1.0	0.26	ug/L			08/07/24 08:24	1

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
 Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: MB 460-989236/8
Matrix: Water
Analysis Batch: 989236

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
1,2,3-Trichlorobenzene	1.0	U	1.0	0.36	ug/L			08/07/24 08:24	1
1,2,4-Trichlorobenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:24	1
1,2-Dibromo-3-Chloropropane	1.0	U	1.0	0.38	ug/L			08/07/24 08:24	1
1,2-Dichlorobenzene	1.0	U	1.0	0.21	ug/L			08/07/24 08:24	1
1,2-Dichloroethane	1.0	U	1.0	0.43	ug/L			08/07/24 08:24	1
1,2-Dichloropropane	1.0	U	1.0	0.35	ug/L			08/07/24 08:24	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			08/07/24 08:24	1
1,3-Dichlorobenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:24	1
1,4-Dichlorobenzene	1.0	U	1.0	0.33	ug/L			08/07/24 08:24	1
2-Butanone (MEK)	5.0	U	5.0	1.9	ug/L			08/07/24 08:24	1
2-Hexanone	5.0	U	5.0	1.1	ug/L			08/07/24 08:24	1
4-Methyl-2-pentanone (MIBK)	5.0	U	5.0	1.3	ug/L			08/07/24 08:24	1
Acetone	5.0	U	5.0	4.4	ug/L			08/07/24 08:24	1
Benzene	1.0	U	1.0	0.20	ug/L			08/07/24 08:24	1
Bromoform	1.0	U	1.0	0.54	ug/L			08/07/24 08:24	1
Bromomethane	1.0	U	1.0	0.55	ug/L			08/07/24 08:24	1
Carbon disulfide	1.0	U	1.0	0.82	ug/L			08/07/24 08:24	1
Carbon tetrachloride	1.0	U	1.0	0.21	ug/L			08/07/24 08:24	1
Chlorobenzene	1.0	U	1.0	0.38	ug/L			08/07/24 08:24	1
Chlorobromomethane	1.0	U	1.0	0.41	ug/L			08/07/24 08:24	1
Chlorodibromomethane	1.0	U	1.0	0.28	ug/L			08/07/24 08:24	1
Chloroethane	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1
Chloroform	1.0	U	1.0	0.33	ug/L			08/07/24 08:24	1
Chloromethane	1.0	U	1.0	0.40	ug/L			08/07/24 08:24	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.22	ug/L			08/07/24 08:24	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 08:24	1
Cyclohexane	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1
Dichlorobromomethane	1.0	U	1.0	0.34	ug/L			08/07/24 08:24	1
Dichlorodifluoromethane	1.0	U	1.0	0.31	ug/L			08/07/24 08:24	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			08/07/24 08:24	1
Ethylene Dibromide	1.0	U	1.0	0.50	ug/L			08/07/24 08:24	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:24	1
Methyl acetate	5.0	U	5.0	0.79	ug/L			08/07/24 08:24	1
Methyl tert-butyl ether	1.0	U	1.0	0.22	ug/L			08/07/24 08:24	1
Methylcyclohexane	1.0	U	1.0	0.71	ug/L			08/07/24 08:24	1
Methylene Chloride	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1
m-Xylene & p-Xylene	1.0	U	1.0	0.30	ug/L			08/07/24 08:24	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1
o-Xylene	1.0	U	1.0	0.36	ug/L			08/07/24 08:24	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:24	1
Styrene	1.0	U	1.0	0.42	ug/L			08/07/24 08:24	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			08/07/24 08:24	1
Tetrachloroethene	1.0	U	1.0	0.25	ug/L			08/07/24 08:24	1
Toluene	1.0	U	1.0	0.38	ug/L			08/07/24 08:24	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.24	ug/L			08/07/24 08:24	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.22	ug/L			08/07/24 08:24	1
Trichloroethene	1.0	U	1.0	0.31	ug/L			08/07/24 08:24	1
Trichlorofluoromethane	1.0	U	1.0	0.32	ug/L			08/07/24 08:24	1

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
 Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: MB 460-989236/8
Matrix: Water
Analysis Batch: 989236

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Vinyl chloride	1.0	U	1.0	0.17	ug/L			08/07/24 08:24	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			08/07/24 08:24	1
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			08/07/24 08:24	1

Surrogate	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
1,2-Dichloroethane-d4 (Surr)	94		70 - 128		08/07/24 08:24	1
4-Bromofluorobenzene	94		76 - 120		08/07/24 08:24	1
Dibromofluoromethane (Surr)	94		77 - 132		08/07/24 08:24	1
Toluene-d8 (Surr)	99		80 - 120		08/07/24 08:24	1

Lab Sample ID: LCS 460-989236/4
Matrix: Water
Analysis Batch: 989236

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
1,1,1-Trichloroethane	20.0	24.9		ug/L		124	72 - 128
1,1,1,2-Tetrachloroethane	20.0	18.9		ug/L		94	63 - 139
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.9		ug/L		110	65 - 142
1,1,2-Trichloroethane	20.0	21.2		ug/L		106	74 - 125
1,1-Dichloroethane	20.0	23.1		ug/L		115	73 - 130
1,1-Dichloroethene	20.0	23.7		ug/L		118	68 - 133
1,2,3-Trichlorobenzene	20.0	21.2		ug/L		106	55 - 150
1,2,4-Trichlorobenzene	20.0	21.6		ug/L		108	67 - 132
1,2-Dibromo-3-Chloropropane	20.0	15.7		ug/L		79	58 - 132
1,2-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 120
1,2-Dichloroethane	20.0	21.9		ug/L		109	66 - 129
1,2-Dichloropropane	20.0	21.2		ug/L		106	72 - 128
1,3,5-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125
1,3-Dichlorobenzene	20.0	23.7		ug/L		119	80 - 120
1,4-Dichlorobenzene	20.0	23.8		ug/L		119	80 - 120
2-Butanone (MEK)	100	108		ug/L		108	65 - 142
2-Hexanone	100	122		ug/L		122	72 - 134
4-Methyl-2-pentanone (MIBK)	100	125		ug/L		125	77 - 130
Acetone	100	99.2		ug/L		99	60 - 133
Benzene	20.0	23.1		ug/L		116	71 - 126
Bromoform	20.0	18.1		ug/L		90	58 - 128
Bromomethane	20.0	27.8		ug/L		139	33 - 150
Carbon disulfide	20.0	23.4		ug/L		117	35 - 150
Carbon tetrachloride	20.0	23.4		ug/L		117	65 - 131
Chlorobenzene	20.0	23.2		ug/L		116	80 - 120
Chlorobromomethane	20.0	19.7		ug/L		99	71 - 134
Chlorodibromomethane	20.0	19.2		ug/L		96	73 - 121
Chloroethane	20.0	25.1		ug/L		125	54 - 150
Chloroform	20.0	22.7		ug/L		113	78 - 125
Chloromethane	20.0	23.1		ug/L		115	43 - 149
cis-1,2-Dichloroethene	20.0	21.7		ug/L		108	78 - 121
cis-1,3-Dichloropropene	20.0	19.5		ug/L		97	74 - 125
Cyclohexane	20.0	21.5		ug/L		108	64 - 142

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: LCS 460-989236/4
Matrix: Water
Analysis Batch: 989236

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorobromomethane	20.0	19.9		ug/L		100	76 - 121
Dichlorodifluoromethane	20.0	23.1		ug/L		115	38 - 144
Ethylbenzene	20.0	23.0		ug/L		115	78 - 120
Ethylene Dibromide	20.0	19.4		ug/L		97	79 - 126
Isopropylbenzene	20.0	21.9		ug/L		109	79 - 125
Methyl acetate	40.0	35.1		ug/L		88	50 - 147
Methyl tert-butyl ether	20.0	19.1		ug/L		95	72 - 131
Methylcyclohexane	20.0	20.0		ug/L		100	63 - 138
Methylene Chloride	20.0	22.1		ug/L		111	74 - 127
m-Xylene & p-Xylene	20.0	22.5		ug/L		113	78 - 120
n-Butylbenzene	20.0	23.9		ug/L		120	69 - 135
N-Propylbenzene	20.0	23.1		ug/L		115	68 - 129
o-Xylene	20.0	21.5		ug/L		108	78 - 120
sec-Butylbenzene	20.0	22.2		ug/L		111	77 - 129
Styrene	20.0	21.6		ug/L		108	82 - 127
tert-Butylbenzene	20.0	21.7		ug/L		109	78 - 120
Tetrachloroethene	20.0	23.1		ug/L		116	70 - 127
Toluene	20.0	22.2		ug/L		111	78 - 120
trans-1,2-Dichloroethene	20.0	22.2		ug/L		111	70 - 126
trans-1,3-Dichloropropene	20.0	19.1		ug/L		96	71 - 127
Trichloroethene	20.0	21.3		ug/L		106	73 - 121
Trichlorofluoromethane	20.0	25.4		ug/L		127	62 - 134
Vinyl chloride	20.0	22.8		ug/L		114	55 - 144
Xylenes, Total	40.0	44.0		ug/L		110	80 - 120
1,2,4-Trimethylbenzene	20.0	23.0		ug/L		115	75 - 125

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	93		70 - 128
4-Bromofluorobenzene	95		76 - 120
Dibromofluoromethane (Surr)	96		77 - 132
Toluene-d8 (Surr)	98		80 - 120

Lab Sample ID: LCSD 460-989236/5
Matrix: Water
Analysis Batch: 989236

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	25.0		ug/L		125	72 - 128	0	30
1,1,1,2-Tetrachloroethane	20.0	17.7		ug/L		89	63 - 139	6	30
1,1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	21.4		ug/L		107	65 - 142	2	30
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	74 - 125	2	30
1,1-Dichloroethane	20.0	22.7		ug/L		113	73 - 130	2	30
1,1-Dichloroethene	20.0	22.9		ug/L		115	68 - 133	3	30
1,2,3-Trichlorobenzene	20.0	22.0		ug/L		110	55 - 150	4	30
1,2,4-Trichlorobenzene	20.0	20.9		ug/L		104	67 - 132	3	30
1,2-Dibromo-3-Chloropropane	20.0	16.3		ug/L		81	58 - 132	3	30
1,2-Dichlorobenzene	20.0	22.1		ug/L		110	80 - 120	0	30
1,2-Dichloroethane	20.0	22.0		ug/L		110	66 - 129	1	30

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: LCSD 460-989236/5
Matrix: Water
Analysis Batch: 989236

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,2-Dichloropropane	20.0	20.9		ug/L		105	72 - 128	1	30
1,3,5-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125	0	30
1,3-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 120	2	30
1,4-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 120	3	30
2-Butanone (MEK)	100	104		ug/L		104	65 - 142	4	30
2-Hexanone	100	118		ug/L		118	72 - 134	3	30
4-Methyl-2-pentanone (MIBK)	100	117		ug/L		117	77 - 130	6	30
Acetone	100	109		ug/L		109	60 - 133	10	30
Benzene	20.0	22.7		ug/L		114	71 - 126	2	30
Bromoform	20.0	19.1		ug/L		96	58 - 128	6	30
Bromomethane	20.0	28.3		ug/L		142	33 - 150	2	30
Carbon disulfide	20.0	23.3		ug/L		116	35 - 150	1	30
Carbon tetrachloride	20.0	22.6		ug/L		113	65 - 131	4	30
Chlorobenzene	20.0	22.9		ug/L		114	80 - 120	1	30
Chlorobromomethane	20.0	19.7		ug/L		99	71 - 134	0	30
Chlorodibromomethane	20.0	19.2		ug/L		96	73 - 121	0	30
Chloroethane	20.0	25.1		ug/L		126	54 - 150	0	30
Chloroform	20.0	23.1		ug/L		115	78 - 125	2	30
Chloromethane	20.0	24.4		ug/L		122	43 - 149	5	30
cis-1,2-Dichloroethene	20.0	22.1		ug/L		110	78 - 121	2	30
cis-1,3-Dichloropropene	20.0	18.9		ug/L		94	74 - 125	3	30
Cyclohexane	20.0	21.2		ug/L		106	64 - 142	2	30
Dichlorobromomethane	20.0	19.4		ug/L		97	76 - 121	2	30
Dichlorodifluoromethane	20.0	23.1		ug/L		116	38 - 144	0	30
Ethylbenzene	20.0	22.8		ug/L		114	78 - 120	1	30
Ethylene Dibromide	20.0	18.9		ug/L		94	79 - 126	3	30
Isopropylbenzene	20.0	22.4		ug/L		112	79 - 125	3	30
Methyl acetate	40.0	33.3		ug/L		83	50 - 147	6	30
Methyl tert-butyl ether	20.0	19.8		ug/L		99	72 - 131	4	30
Methylcyclohexane	20.0	20.1		ug/L		100	63 - 138	1	30
Methylene Chloride	20.0	22.2		ug/L		111	74 - 127	0	30
m-Xylene & p-Xylene	20.0	22.2		ug/L		111	78 - 120	1	30
n-Butylbenzene	20.0	24.2		ug/L		121	69 - 135	1	30
N-Propylbenzene	20.0	23.3		ug/L		117	68 - 129	1	30
o-Xylene	20.0	21.2		ug/L		106	78 - 120	1	30
sec-Butylbenzene	20.0	22.5		ug/L		112	77 - 129	1	30
Styrene	20.0	21.4		ug/L		107	82 - 127	1	30
tert-Butylbenzene	20.0	22.0		ug/L		110	78 - 120	1	30
Tetrachloroethene	20.0	22.1		ug/L		111	70 - 127	4	30
Toluene	20.0	22.3		ug/L		111	78 - 120	1	30
trans-1,2-Dichloroethene	20.0	22.5		ug/L		112	70 - 126	1	30
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	71 - 127	1	30
Trichloroethene	20.0	21.5		ug/L		108	73 - 121	1	30
Trichlorofluoromethane	20.0	24.7		ug/L		123	62 - 134	3	30
Vinyl chloride	20.0	23.1		ug/L		116	55 - 144	1	30
Xylenes, Total	40.0	43.4		ug/L		109	80 - 120	1	30
1,2,4-Trimethylbenzene	20.0	22.4		ug/L		112	75 - 125	3	30

Eurofins Edison

QC Sample Results

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

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

Lab Sample ID: LCSD 460-989236/5

Matrix: Water

Analysis Batch: 989236

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Surrogate	LCSD		Limits
	%Recovery	Qualifier	
1,2-Dichloroethane-d4 (Surr)	96		70 - 128
4-Bromofluorobenzene	99		76 - 120
Dibromofluoromethane (Surr)	99		77 - 132
Toluene-d8 (Surr)	101		80 - 120

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

QC Association Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

GC/MS VOA

Analysis Batch: 988933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-308797-1	PR-MW-01_20240802	Total/NA	Water	8260D	
460-308797-3	PR-MW-04_20240802	Total/NA	Water	8260D	
MB 460-988933/9	Method Blank	Total/NA	Water	8260D	
LCS 460-988933/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-988933/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 989236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-308797-2	PR-MW-02_20240802	Total/NA	Water	8260D	
460-308797-4	DUP-02_20240802	Total/NA	Water	8260D	
460-308797-5	TB-03_20240802	Total/NA	Water	8260D	
MB 460-989236/8	Method Blank	Total/NA	Water	8260D	
LCS 460-989236/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 460-989236/5	Lab Control Sample Dup	Total/NA	Water	8260D	

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Lab Chronicle

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Client Sample ID: PR-MW-01_20240802

Lab Sample ID: 460-308797-1

Date Collected: 08/02/24 10:35

Matrix: Water

Date Received: 08/02/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	988933	VBP	EET EDI	08/05/24 21:52

Client Sample ID: PR-MW-02_20240802

Lab Sample ID: 460-308797-2

Date Collected: 08/02/24 12:50

Matrix: Water

Date Received: 08/02/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989236	SZD	EET EDI	08/07/24 09:04

Client Sample ID: PR-MW-04_20240802

Lab Sample ID: 460-308797-3

Date Collected: 08/02/24 09:00

Matrix: Water

Date Received: 08/02/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	988933	VBP	EET EDI	08/05/24 22:12

Client Sample ID: DUP-02_20240802

Lab Sample ID: 460-308797-4

Date Collected: 08/02/24 10:40

Matrix: Water

Date Received: 08/02/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989236	SZD	EET EDI	08/07/24 09:24

Client Sample ID: TB-03_20240802

Lab Sample ID: 460-308797-5

Date Collected: 08/02/24 00:00

Matrix: Water

Date Received: 08/02/24 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	989236	SZD	EET EDI	08/07/24 08:44

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Laboratory: Eurofins Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Method Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET EDI
5030C	Purge and Trap	SW846	EET EDI

Protocol References:

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

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Sample Summary

Client: Haley & Aldrich, Inc.
Project/Site: 2560 Bedford Beverly

Job ID: 460-308797-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-308797-1	PR-MW-01_20240802	Water	08/02/24 10:35	08/02/24 19:00
460-308797-2	PR-MW-02_20240802	Water	08/02/24 12:50	08/02/24 19:00
460-308797-3	PR-MW-04_20240802	Water	08/02/24 09:00	08/02/24 19:00
460-308797-4	DUP-02_20240802	Water	08/02/24 10:40	08/02/24 19:00
460-308797-5	TB-03_20240802	Water	08/02/24 00:00	08/02/24 19:00

1

2

3

4

5

6

7

8

9

10

11

12

13

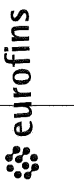
14

15

NYC
222

Chain of Custody Record

674039



Environment Testing
America

TAL-8210

Address:

Regulatory Program: DW NPDES RCRA Other: _____

Client Contact: Edy Nunez | Project Manager: Edy Nunez | Date: 8/02/24 | COC No: _____ of _____ COCs

Company Name: NYC | City/State/Zip: New York, NY 10123 | Job / SDG No: 308797

Address: 213 West 35th St 3rd Floor | Walk-in Client: | For Lab Use Only: _____

City/State/Zip: New York, NY 10123 | Lab Sampling: _____ | Sampler: EN

Phone: _____ | Project Name: 230 Fulton Brandy | Job / SDG No: 308797

Fax: _____ | Site: 0205432 | Job / SDG No: 308797

PO #: _____ | P.O. #: _____ | Job / SDG No: 308797

Sample Identification: _____ | Sample Specific Notes: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: 8/2/24 | Sample Time: 10:30 | Sample Type: G | Matrix: W | # of Cont: 3

Sample Date: 8/2/24 | Sample Time: 12:50 | Sample Type: G | Matrix: W | # of Cont: 3

Sample Date: 8/2/24 | Sample Time: 9:00 | Sample Type: G | Matrix: W | # of Cont: 3

Sample Date: 8/1/24 | Sample Time: 10:00 | Sample Type: G | Matrix: W | # of Cont: 3

Sample Date: 8/2/24 | Sample Time: _____ | Sample Type: G | Matrix: W | # of Cont: 2

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____

Sample Date: _____ | Sample Time: _____ | Sample Type: _____ | Matrix: _____ | # of Cont: _____



460-308797 Chain of Custody

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return to Client Disposal by Lab Archive for _____ Months

Special Instructions/QC Requirements & Comments: Report only 1, 2, 4 - turn only Benzene for PR-MW-01 and PR-MW-02 and Report only PCB for PR-MW-01

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4= HNO3, 5= NaOH, 6= Other _____

Possible Hazard Identification: Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

Company Name: _____ | City/State/Zip: _____ | Date/Time: _____

Relinquished by: Edy Nunez | Date/Time: 8/2/24 17:30

Relinquished by: Edy Nunez | Date/Time: 8/2/24 17:30

Relinquished by: Edy Nunez | Date/Time: 8/2/24 17:30

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

308797

Job Number:

IR Gun #

9

Number of Coolers:

Cooler Temperatures

	RAW	CORRECTED
Cooler #1:	1.2	1.6
Cooler #2:		
Cooler #3:		

	RAW	CORRECTED
Cooler #4:		
Cooler #5:		
Cooler #6:		

	RAW	CORRECTED
Cooler #7:		
Cooler #8:		
Cooler #9:		

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals (pH<2)	* Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s), adjusted: _____
 Preservative Name/Conc.: _____
 Lot # of Preservative(s): _____
 Expiration Date: _____
 Volume of Preservative used (ml): _____
 The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.
 * Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

Initials: ML
Date: 8/2/21



Login Sample Receipt Checklist

Client: Haley & Aldrich, Inc.

Job Number: 460-308797-1

Login Number: 308797

List Number: 1

Creator: Casallas, Angela C

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	