SEABOARD GROUP II AND THE CITY OF HIGH POINT

February 21, 2024

Eric B. Aufderhaar, P.G., Environmental Program Consultant
North Carolina Department of Environmental Quality
Division of Waste Management
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Re: Revised Remedial Action Progress Report, 2023 Fourth Quarter and Annual Summary
Former Seaboard Chemical and Riverdale Drive Landfill Site
Jamestown, Guilford County, North Carolina

Dear Mr. Aufderhaar:

The Seaboard Group II and the City of High Point are providing this revised 2023 Fourth Quarter and Annual Summary Remedial Action Progress Report for the former Seaboard Chemical Corporation facility and the closed Riverdale Drive Landfill located in Jamestown, NC.

System Operations – Performance

During the fourth quarter of 2023, the mechanical and phytoremediation treatment systems processed 3,838,262 gallons of extracted groundwater and leachate. The summary of treatment flow volume by calendar quarter is provided on Figure 1 of this report and below:

Reporting Period	Total Flow (gallons)
2023 1st Quarter	3,603,571
2023 2nd Quarter	4,052,894
2023 3rd Quarter	3,755,987
2023 4th Quarter	3,838,262
2023 Annual Total (gallons)	15,250,714

The mechanical treatment system operated continuously during 2023 with minor shutdowns occurring for routine maintenance, system citric cleaning, and repairs. The runtime hours of the mechanical treatment system during 2023 is summarized on Figure 2 of this report and below:

Reporting Period	Mechanical System Runtime (hours)
2023 1st Quarter	1,686
2023 2nd Quarter	1,977
2023 3rd Quarter	1,878
2023 4th Quarter	1,968
2023 Annual Total (hours)	7,509

Based on the average influent concentrations during the fourth quarter of 2023, approximately 589 pounds of volatile organic compounds and 28.8 pounds of 1,4-dioxane were removed by the groundwater extraction and leachate collection systems. The total contaminant mass removed by the remedial systems during 2023 is summarized below:

Reporting Period	1,4-Dioxane (lbs)	Volatile Organic Compounds (lbs)
1st Quarter	34.2	490
2nd Quarter	35.0	527
3rd Quarter	22.8	268.8
4th Quarter	28.8	589
Annual Total (lbs)	120.8	1,874.8

System Operations – Shutdowns

During the fourth quarter of 2023, three shutdowns exceeding one day in length occurred. The system was shutdown for 2.7 days on September 30, 2023 for an air valve issue, 2.0 days on October 7, 2023 for overloaded filter pressures, and 2.7 days on December 1, 2023 for a system programming issue. No other significant shutdowns occurred during this reporting period.

During the 2023 calendar year, the system was shutdown for several planned and unplanned events. While past Quarterly Progress Reports have provided shutdowns in excess of one day in duration, this Annual Summary includes all shutdowns regardless of duration. A summary of all planned and unplanned shutdowns which occurred in 2023 is provided on Figures 3 and Figure 4 of this report and on the table below:

Shutdowns	Duration	Number of Shutdowns	Average Duration	Percent Downtime
Power Issues	5.4 days	4	1.4 days	11%
Weather	1.5 days	2	0.8 days	3%
Service/Upfit	16.6 days	3	5.5 days	34%
Programming/PLC	4.8 days	2	2.4 days	10%
Mechanical	17.8 days	15	1.2 days	37%
Filters and Lines	2.3 days	3	0.8 days	5%
Totals	48.4 days	29	1.7 days	100%

The shutdowns attributed to service/upfit (16.6 days) and approximately 25% of the mechanical shutdowns (4.5 days) were planned events for routine cleaning and/or equipment maintenance. These routine activities accounted for 42.4% of the shutdowns during calendar year 2023.

System Operations - Monitoring

As recommended in the October 2023 Technical Memorandum 11 Final Summary Report, a limited quarterly groundwater and surface water monitoring program has been implemented. This quarterly monitoring program was approved by NCDEQ on November 3, 2023. This limited monitoring program includes the on-site surface water monitoring locations (SW-1, SW-2, SW-3, SW-4, and SW-5) and two monitoring wells at the SIS Basin Area (AW-3/4B). The location of these sampling locations is provided on Figure 5 which is included with this report.

Due to heavy rainfall during the last week of December 2023, these samples were collected on January 3, 2024. A summary of the laboratory analytical results for the surface water and groundwater samples are provided on the attached table along with applicable NC Groundwater Standards and Surface Water Standards/In-Stream Target Values. The Eurofins laboratory report is included as an attachment to this report.

The information provided by this limited quarterly monitoring program will allow for a continued evaluation of the expanded extraction system, upgraded phytoremediation irrigation line layout, and the overall remedial system operations. While a review of this initial quarterly sampling event indicates a continued decreasing contaminant trend, the intent of the quarterly monitoring program is to allow for a long-term evaluation of the remedial system operations.

Please contact Craig Coslett (610/435-1151) or Gary Babb (919/605-4719) if there are any questions or comments regarding this update.

Seaboard Group II and City of High Point

Gary D. Babb, P.G.
Babb & Associates, P.A.

Enclosures

cc: Craig Coslett – Project Oversight Coordinator
Jackie Drummond - NCDEQ Division of Solid Waste

SYSTEM OPERATIONS

FIGURES AND TABLE

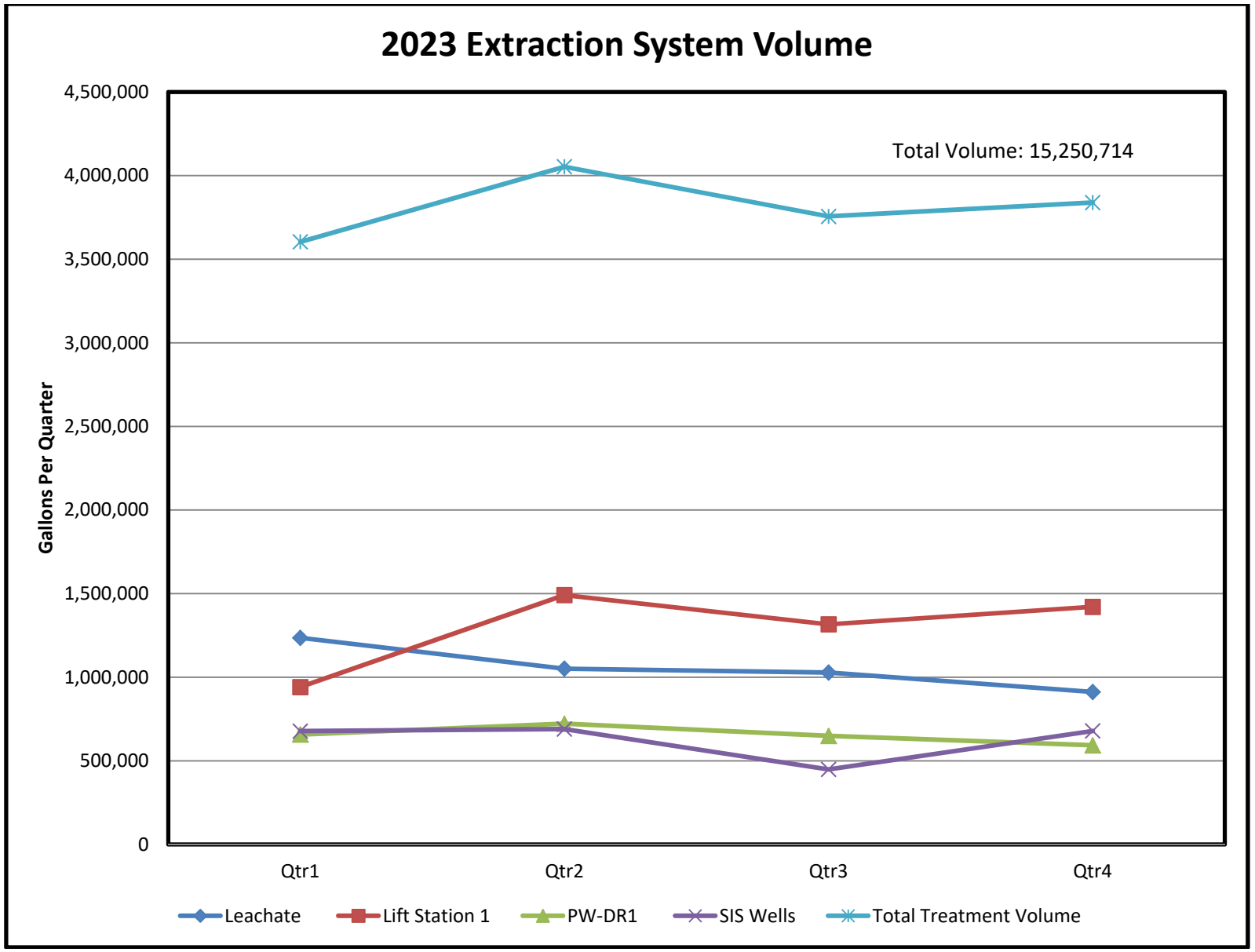

FIGURE 1 – EXTRACTON SYSTEM FLOW

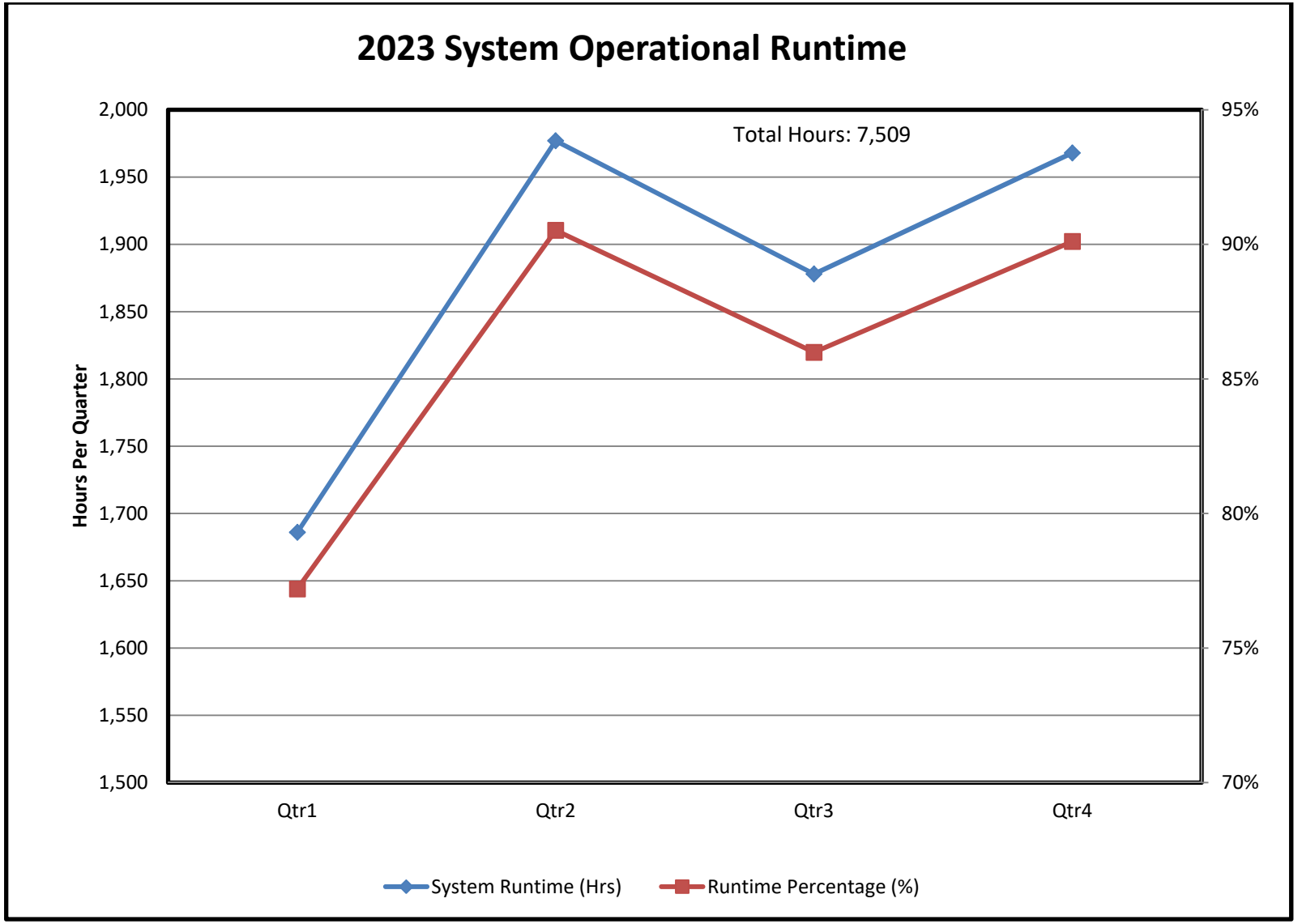

FIGURE 2 – OPERATIONAL RUNTIME

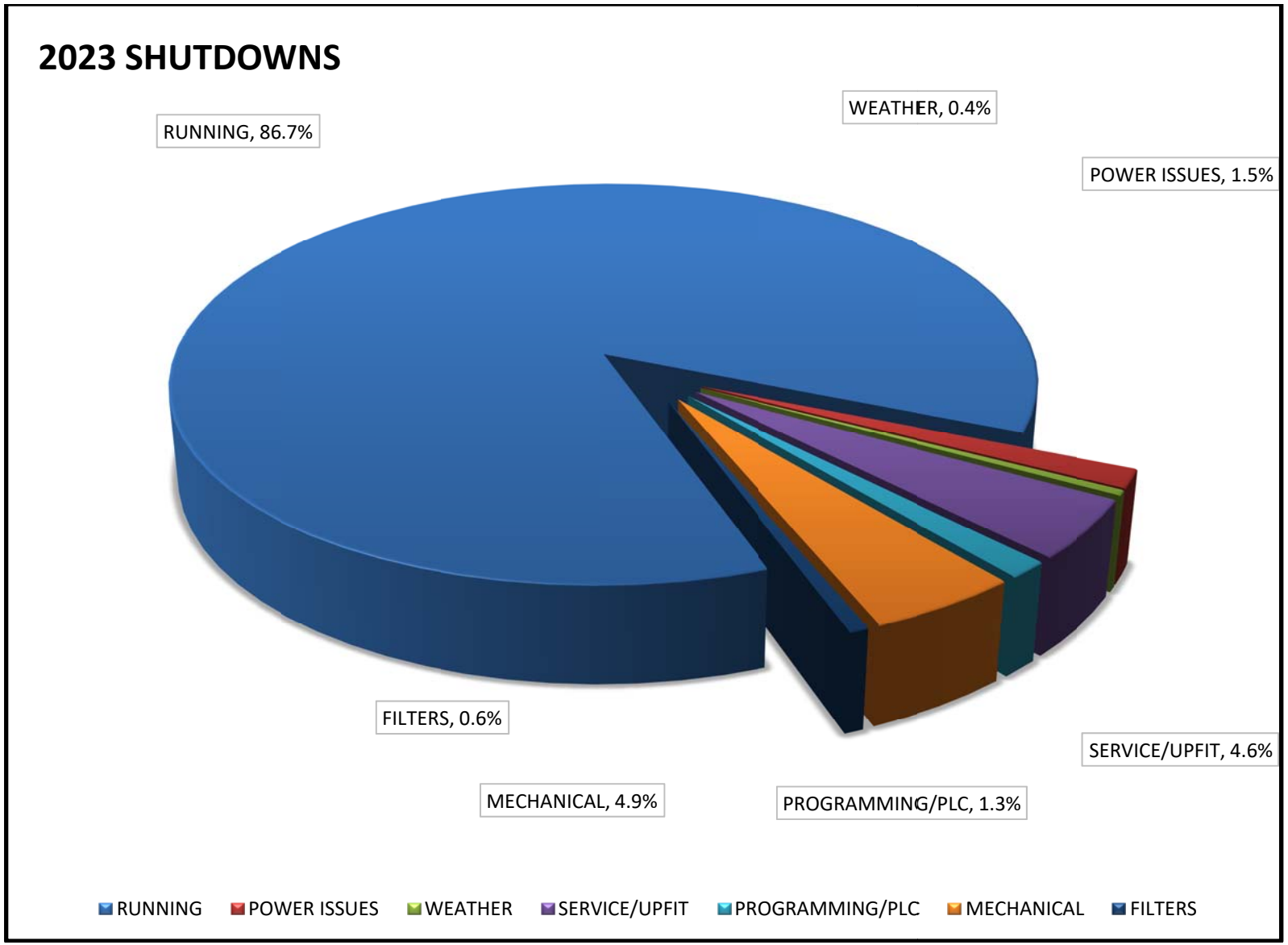

FIGURE 3 – SYSTEM SHUTDOWNS

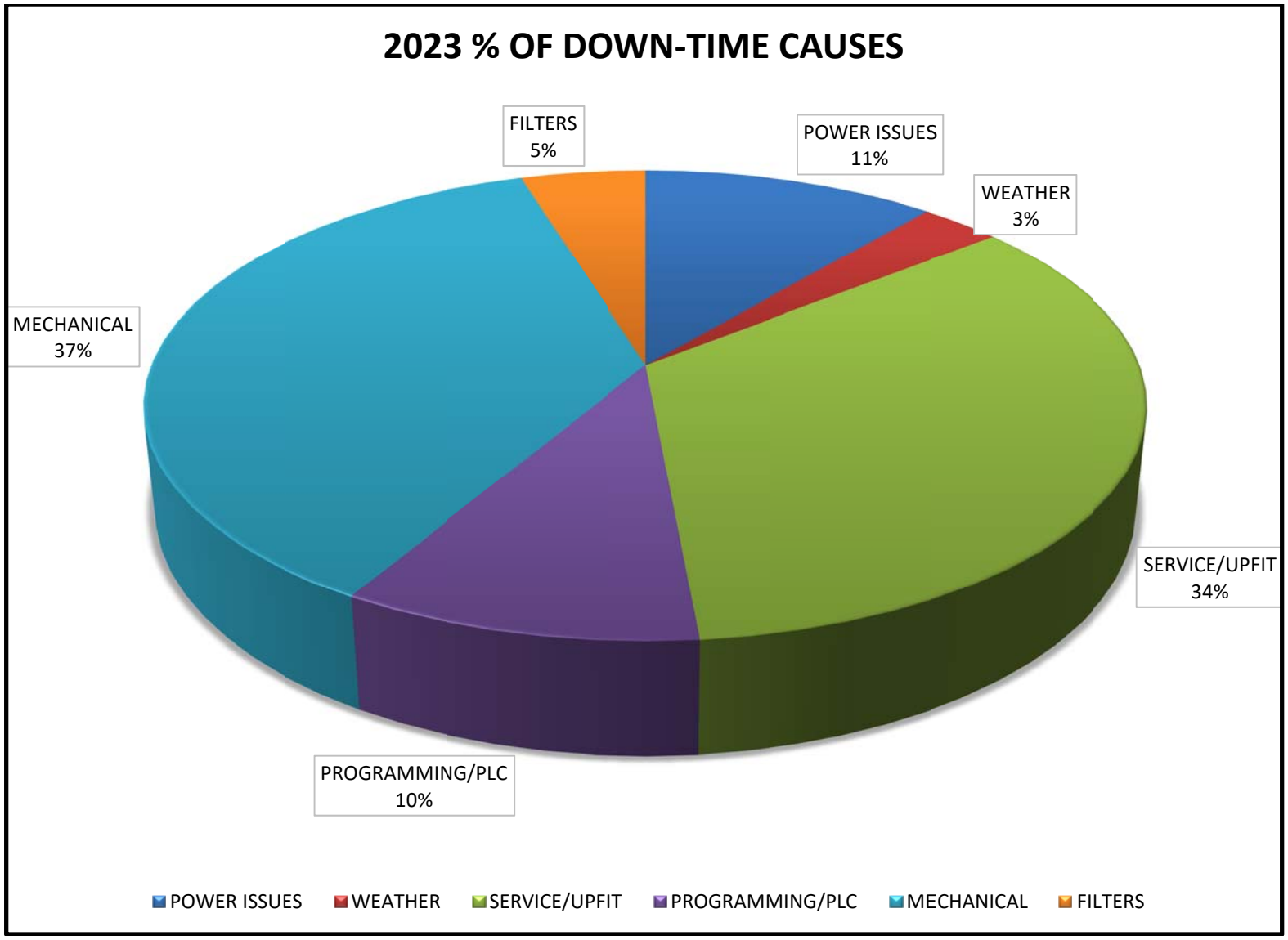

FIGURE 4 – DOWNTIME CAUSES

Surface Water Monitoring Location

Groundwater Monitoring Location

SW-1

SW-2

SW-3

SW-4

SW-5

AWB-4

AW-3

Phyto Zones 1-11

Phyto Zones 12-16

Soil Residue Mound

City Recycling Facility

Former SCC Site

Pond 3

SIS Pipe

Riverdale Drive

Randleman Lake

Interstate 85

N

Babb & Associates, P.A.

5506 Bradford Pear Court
Raleigh, North Carolina 27606
(919) 605-4719

Date: January 2024

Rev. By: G. Babb

Prep. By: G. Babb

Figure 5

Quarterly Groundwater and Surface Water Monitoring Locations
Former Seaboard/Riverdale Drive Landfill Site
5899 Riverdale Drive
Jamestown, North Carolina

Scale: 1" = 360'

Figure 5

Quarterly Groundwater and Surface Water Laboratory Results
Former Seaboard/Riverdale Drive Landfill Site
Jamestown, North Carolina
January 3, 2024

Parameter	SW-1	SW-2	SW-3	SW-4	SW-5	2B Standard	AW-3	AWB-4	2L Standard
VOCs and 1,4-Dioxane (ug/l)	Surface Water Sample Locations						Groundwater Sample Locations		
Benzene	BQL	BQL	BQL	0.35 J	BQL	1.19 [1]	5.1	23	1
Chlorobenzene	3.4	1	BQL	28	BQL	488 [1]	490	1300	50
Chloroethane	BQL	BQL	BQL	BQL	BQL	NE	BQL	27	3000
1,2-Dichlorobenzene	BQL	BQL	BQL	BQL	BQL	470 [2]	0.72 J	1.7	20
1,4-Dichlorobenzene	BQL	BQL	BQL	BQL	BQL	100 [2]	1.7	4	6
1,1-Dichloroethane	BQL	BQL	0.35 J	14	BQL	6 [2]	79	250	6
1,2-Dichloroethane	BQL	BQL	BQL	1.1	BQL	9.9 [2]	1.8	95	0.4
1,1-Dichloroethene	BQL	BQL	BQL	0.45 J	BQL	300 [3]	6.9	6.7	350
cis-1,2-Dichloroethene	BQL	BQL	0.53 J	3.4	BQL	60 [2]	38	43	70
trans-1,2-Dichloroethene	BQL	BQL	BQL	BQL	BQL	290 [2]	0.35 J	1.0	100
1,4-Dioxane	9.4	6.8	11	19	18	0.35 [2]	270	840	3
Ethylbenzene	BQL	BQL	BQL	BQL	BQL	97 [2]	BQL	0.23 J	600
Tetrachloroethene	BQL	BQL	BQL	BQL	BQL	0.7 [1]	BQL	0.88 J	0.7
Toluene	BQL	BQL	BQL	BQL	BQL	11 [1]	0.73 J	1.7	600
1,1,1-Trichloroethane	BQL	BQL	BQL	1.7	BQL	2500 [2]	BQL	BQL	200
Trichloroethene	BQL	BQL	BQL	BQL	BQL	2.5 [1]	0.30 J	1.9	3
Vinyl chloride	BQL	BQL	BQL	12	BQL	0.025 [1]	45	83	0.03
Xylenes (total)	BQL	BQL	BQL	0.49 J	BQL	6200 [2]	0.51 J	1.4 J	500

BQL - Below laboratory quantitation limit.
J - Between MDL and RL
All results in ug/l

[1] 2B Regulatory Standard
[2] In-Stream Target Value
[3] EPA National Recommended Water Quality Criteria
NE - Not Established

LABORATORY ANALYTICAL REPORT

JANUARY 3, 2024 SAMPLES

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Gary Babb
Babb & Associates
5506 Bradford Pear Court
Raleigh, North Carolina 27606

Generated 1/11/2024 12:00:13 PM

JOB DESCRIPTION

Seaboard- Quarterly Surface Waters

JOB NUMBER

680-245115-1

Eurofins Savannah
5102 LaRoche Avenue
Savannah GA 31404

See page two for job notes and contact information.

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 Southeast, LLC Project Manager.

Authorization

Generated
1/11/2024 12:00:13 PM

Authorized for release by
John Andros, Project Manager I
John.Andros@et.eurofinsus.com
(404)944-4744

Sample Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-245115-1	4101-AW-3	Surface Water	01/03/24 08:55	01/04/24 09:49
680-245115-2	4101-AWB-4	Surface Water	01/03/24 08:30	01/04/24 09:49
680-245115-3	4101-SW-1	Surface Water	01/03/24 09:30	01/04/24 09:49
680-245115-4	4101-SW-2	Surface Water	01/03/24 09:40	01/04/24 09:49
680-245115-5	4101-SW-3	Surface Water	01/03/24 10:00	01/04/24 09:49
680-245115-6	4101-SW-4	Surface Water	01/03/24 10:05	01/04/24 09:49
680-245115-7	4101-SW-5	Surface Water	01/03/24 09:50	01/04/24 09:49
680-245115-8	4101-Trip Blank	Water	01/03/24 00:00	01/04/24 09:49

Method Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SAV
8260D SIM 14D	Volatile Organic Compounds (GC/MS)	SW846	EET SAV
5030B	Purge and Trap	SW846	EET SAV
5030C	Purge and Trap	SW846	EET SAV

Protocol References:

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

Laboratory References:

EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
J	Indicates an estimated value.
J2	Estimated value; value may not be accurate.
U	Indicates that the compound was analyzed for but not detected.

Glossary

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

Job ID: 680-245115-1 — Eurofins Savannah

Job Narrative
680-245115-1

Receipt
The samples were received on 1/4/2024 9:49 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.4°C

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

Detection Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-AW-3
Lab Sample ID: 680-245115-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	270		10	3.2	ug/L	10		8260D SIM 14D	Total/NA
1,1-Dichloroethane	79		1.0	0.33	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	6.9		1.0	0.33	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	0.72	J	1.0	0.31	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	1.8		1.0	0.25	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	1.7		1.0	0.31	ug/L	1		8260D	Total/NA
Benzene	5.1		1.0	0.27	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	38		1.0	0.25	ug/L	1		8260D	Total/NA
o-Xylene	0.51	J	1.0	0.26	ug/L	1		8260D	Total/NA
Toluene	0.73	J	1.0	0.25	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.35	J	1.0	0.34	ug/L	1		8260D	Total/NA
Trichloroethene	0.30	J	1.0	0.20	ug/L	1		8260D	Total/NA
Vinyl chloride	45		1.0	0.40	ug/L	1		8260D	Total/NA
Xylenes (total)	0.51	J	3.0	0.23	ug/L	1		8260D	Total/NA
Chlorobenzene - DL	490		5.0	0.75	ug/L	5		8260D	Total/NA

Client Sample ID: 4101-AWB-4
Lab Sample ID: 680-245115-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	840		50	16	ug/L	50		8260D SIM 14D	Total/NA
1,1-Dichloroethene	6.7		1.0	0.33	ug/L	1		8260D	Total/NA
1,2-Dichlorobenzene	1.7		1.0	0.31	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	95		1.0	0.25	ug/L	1		8260D	Total/NA
1,4-Dichlorobenzene	4.0		1.0	0.31	ug/L	1		8260D	Total/NA
Benzene	23		1.0	0.27	ug/L	1		8260D	Total/NA
Chloroethane	27		5.0	4.6	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	43		1.0	0.25	ug/L	1		8260D	Total/NA
Ethylbenzene	0.23	J	1.0	0.20	ug/L	1		8260D	Total/NA
o-Xylene	1.4		1.0	0.26	ug/L	1		8260D	Total/NA
Tetrachloroethene	0.88	J	1.0	0.35	ug/L	1		8260D	Total/NA
Toluene	1.7		1.0	0.25	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.0		1.0	0.34	ug/L	1		8260D	Total/NA
Trichloroethene	1.9		1.0	0.20	ug/L	1		8260D	Total/NA
Vinyl chloride	83		1.0	0.40	ug/L	1		8260D	Total/NA
Xylenes (total)	1.4	J	3.0	0.23	ug/L	1		8260D	Total/NA
1,1-Dichloroethane - DL	250		5.0	1.7	ug/L	5		8260D	Total/NA
Chlorobenzene - DL	1300		25	3.8	ug/L	25		8260D	Total/NA

Client Sample ID: 4101-SW-1
Lab Sample ID: 680-245115-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	9.4		1.0	0.32	ug/L	1		8260D SIM 14D	Total/NA
Chlorobenzene	3.4		1.0	0.15	ug/L	1		8260D	Total/NA

Client Sample ID: 4101-SW-2
Lab Sample ID: 680-245115-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6.8		1.0	0.32	ug/L	1		8260D SIM 14D	Total/NA
Chlorobenzene	1.0		1.0	0.15	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-3
Lab Sample ID: 680-245115-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	11		1.0	0.32	ug/L	1		8260D SIM 14D	Total/NA
1,1-Dichloroethane	0.35	J	1.0	0.33	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.53	J	1.0	0.25	ug/L	1		8260D	Total/NA

Client Sample ID: 4101-SW-4
Lab Sample ID: 680-245115-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	19		1.0	0.32	ug/L	1		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	1.7		1.0	0.21	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	14		1.0	0.33	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.45	J	1.0	0.33	ug/L	1		8260D	Total/NA
1,2-Dichloroethane	1.1		1.0	0.25	ug/L	1		8260D	Total/NA
Benzene	0.35	J	1.0	0.27	ug/L	1		8260D	Total/NA
Chlorobenzene	28		1.0	0.15	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	3.4		1.0	0.25	ug/L	1		8260D	Total/NA
o-Xylene	0.49	J	1.0	0.26	ug/L	1		8260D	Total/NA
Vinyl chloride	12		1.0	0.40	ug/L	1		8260D	Total/NA
Xylenes (total)	0.49	J	3.0	0.23	ug/L	1		8260D	Total/NA

Client Sample ID: 4101-SW-5
Lab Sample ID: 680-245115-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	18		1.0	0.32	ug/L	1		8260D SIM 14D	Total/NA

Client Sample ID: 4101-Trip Blank
Lab Sample ID: 680-245115-8

No Detections.

This Detection Summary does not include radiochemical test results.

Client Sample ID: 4101-AW-3
Date Collected: 01/03/24 08:55
Date Received: 01/04/24 09:49

Lab Sample ID: 680-245115-1
Matrix: Surface Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**270**		10	3.2	ug/L			01/06/24 12:53	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*01/06/24 12:53*	*10*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 16:33	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 16:33	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 16:33	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 16:33	1
1,1-Dichloroethane	**79**		1.0	0.33	ug/L			01/05/24 16:33	1
1,1-Dichloroethene	**6.9**		1.0	0.33	ug/L			01/05/24 16:33	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 16:33	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 16:33	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 16:33	1
1,2-Dichlorobenzene	**0.72**	**J**	1.0	0.31	ug/L			01/05/24 16:33	1
1,2-Dichloroethane	**1.8**		1.0	0.25	ug/L			01/05/24 16:33	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 16:33	1
1,4-Dichlorobenzene	**1.7**		1.0	0.31	ug/L			01/05/24 16:33	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 16:33	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 16:33	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 16:33	1
Acetone	20	U	20	3.7	ug/L			01/05/24 16:33	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 16:33	1
Benzene	**5.1**		1.0	0.27	ug/L			01/05/24 16:33	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 16:33	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 16:33	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 16:33	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 16:33	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 16:33	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 16:33	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 16:33	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 16:33	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 16:33	1
cis-1,2-Dichloroethene	**38**		1.0	0.25	ug/L			01/05/24 16:33	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 16:33	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 16:33	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 16:33	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 16:33	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 16:33	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 16:33	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 16:33	1
o-Xylene	**0.51**	**J**	1.0	0.26	ug/L			01/05/24 16:33	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 16:33	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 16:33	1
Toluene	**0.73**	**J**	1.0	0.25	ug/L			01/05/24 16:33	1
trans-1,2-Dichloroethene	**0.35**	**J**	1.0	0.34	ug/L			01/05/24 16:33	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 16:33	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 16:33	1

Client Sample ID: 4101-AW-3
Lab Sample ID: 680-245115-1

Date Collected: 01/03/24 08:55
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**0.30**	**J**	1.0	0.20	ug/L			01/05/24 16:33	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 16:33	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 16:33	1
Vinyl chloride	**45**		1.0	0.40	ug/L			01/05/24 16:33	1
Xylenes (total)	**0.51**	**J**	3.0	0.23	ug/L			01/05/24 16:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 124*		*01/05/24 16:33*	*1*
4-Bromofluorobenzene (Surr)	*98*		*70 - 130*		*01/05/24 16:33*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*01/05/24 16:33*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/05/24 16:33*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	**490**		5.0	0.75	ug/L			01/08/24 16:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 124*		*01/08/24 16:21*	*5*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/08/24 16:21*	*5*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*01/08/24 16:21*	*5*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/08/24 16:21*	*5*

Client Sample ID: 4101-AWB-4
Date Collected: 01/03/24 08:30
Date Received: 01/04/24 09:49

Lab Sample ID: 680-245115-2
Matrix: Surface Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**840**		50	16	ug/L			01/06/24 13:19	50

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*83*		*70 - 130*		*01/06/24 13:19*	*50*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 16:54	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 16:54	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 16:54	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 16:54	1
1,1-Dichloroethene	**6.7**		1.0	0.33	ug/L			01/05/24 16:54	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 16:54	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 16:54	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 16:54	1
1,2-Dichlorobenzene	**1.7**		1.0	0.31	ug/L			01/05/24 16:54	1
1,2-Dichloroethane	**95**		1.0	0.25	ug/L			01/05/24 16:54	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 16:54	1
1,4-Dichlorobenzene	**4.0**		1.0	0.31	ug/L			01/05/24 16:54	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 16:54	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 16:54	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 16:54	1
Acetone	20	U	20	3.7	ug/L			01/05/24 16:54	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 16:54	1
Benzene	**23**		1.0	0.27	ug/L			01/05/24 16:54	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 16:54	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 16:54	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 16:54	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 16:54	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 16:54	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 16:54	1
Chloroethane	**27**		5.0	4.6	ug/L			01/05/24 16:54	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 16:54	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 16:54	1
cis-1,2-Dichloroethene	**43**		1.0	0.25	ug/L			01/05/24 16:54	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 16:54	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 16:54	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 16:54	1
Ethylbenzene	**0.23**	**J**	1.0	0.20	ug/L			01/05/24 16:54	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 16:54	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 16:54	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 16:54	1
o-Xylene	**1.4**		1.0	0.26	ug/L			01/05/24 16:54	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 16:54	1
Tetrachloroethene	**0.88**	**J**	1.0	0.35	ug/L			01/05/24 16:54	1
Toluene	**1.7**		1.0	0.25	ug/L			01/05/24 16:54	1
trans-1,2-Dichloroethene	**1.0**		1.0	0.34	ug/L			01/05/24 16:54	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 16:54	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 16:54	1
Trichloroethene	**1.9**		1.0	0.20	ug/L			01/05/24 16:54	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-AWB-4
Lab Sample ID: 680-245115-2
Date Collected: 01/03/24 08:30
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 16:54	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 16:54	1
Vinyl chloride	**83**		1.0	0.40	ug/L			01/05/24 16:54	1
Xylenes (total)	**1.4**	**J**	3.0	0.23	ug/L			01/05/24 16:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 124*		*01/05/24 16:54*	*1*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/05/24 16:54*	*1*
Dibromofluoromethane (Surr)	*104*		*70 - 130*		*01/05/24 16:54*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/05/24 16:54*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**250**		5.0	1.7	ug/L			01/08/24 16:42	5
Chlorobenzene	**1300**		25	3.8	ug/L			01/09/24 14:55	25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*60 - 124*		*01/08/24 16:42*	*5*
1,2-Dichloroethane-d4 (Surr)	*82*		*60 - 124*		*01/09/24 14:55*	*25*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*		*01/08/24 16:42*	*5*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/09/24 14:55*	*25*
Dibromofluoromethane (Surr)	*108*		*70 - 130*		*01/08/24 16:42*	*5*
Dibromofluoromethane (Surr)	*87*		*70 - 130*		*01/09/24 14:55*	*25*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/08/24 16:42*	*5*
Toluene-d8 (Surr)	*88*		*70 - 130*		*01/09/24 14:55*	*25*

Client Sample ID: 4101-SW-1
Lab Sample ID: 680-245115-3

Date Collected: 01/03/24 09:30
Matrix: Surface Water
Date Received: 01/04/24 09:49

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**9.4**		1.0	0.32	ug/L			01/06/24 12:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*81*		*70 - 130*		*01/06/24 12:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 17:15	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 17:15	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 17:15	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 17:15	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:15	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 17:15	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 17:15	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 17:15	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:15	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:15	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:15	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 17:15	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:15	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 17:15	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 17:15	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 17:15	1
Acetone	20	U	20	3.7	ug/L			01/05/24 17:15	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 17:15	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 17:15	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:15	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:15	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 17:15	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 17:15	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 17:15	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 17:15	1
Chlorobenzene	**3.4**		1.0	0.15	ug/L			01/05/24 17:15	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 17:15	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 17:15	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 17:15	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/05/24 17:15	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 17:15	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 17:15	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:15	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 17:15	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 17:15	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 17:15	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 17:15	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 17:15	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 17:15	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 17:15	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 17:15	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 17:15	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 17:15	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-1
Lab Sample ID: 680-245115-3
Date Collected: 01/03/24 09:30
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 17:15	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 17:15	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:15	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 17:15	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 17:15	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 17:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 124*		*01/05/24 17:15*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/05/24 17:15*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*01/05/24 17:15*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/05/24 17:15*	*1*

Client Sample ID: 4101-SW-2
Date Collected: 01/03/24 09:40
Date Received: 01/04/24 09:49

Lab Sample ID: 680-245115-4
Matrix: Surface Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**6.8**		1.0	0.32	ug/L			01/06/24 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*		*01/06/24 15:27*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 17:37	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 17:37	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 17:37	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 17:37	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:37	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 17:37	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 17:37	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 17:37	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:37	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:37	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:37	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 17:37	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:37	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 17:37	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 17:37	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 17:37	1
Acetone	20	U	20	3.7	ug/L			01/05/24 17:37	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 17:37	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 17:37	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:37	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:37	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 17:37	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 17:37	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 17:37	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 17:37	1
Chlorobenzene	**1.0**		1.0	0.15	ug/L			01/05/24 17:37	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 17:37	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 17:37	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 17:37	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/05/24 17:37	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 17:37	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 17:37	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:37	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 17:37	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 17:37	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 17:37	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 17:37	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 17:37	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 17:37	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 17:37	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 17:37	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 17:37	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 17:37	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-2
Lab Sample ID: 680-245115-4
Date Collected: 01/03/24 09:40
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 17:37	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 17:37	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:37	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 17:37	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 17:37	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 17:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 124*		*01/05/24 17:37*	*1*
4-Bromofluorobenzene (Surr)	*102*		*70 - 130*		*01/05/24 17:37*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*01/05/24 17:37*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/05/24 17:37*	*1*

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-3
Date Collected: 01/03/24 10:00
Date Received: 01/04/24 09:49

Lab Sample ID: 680-245115-5
Matrix: Surface Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**11**		1.0	0.32	ug/L			01/06/24 15:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*82*		*70 - 130*		*01/06/24 15:52*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 17:58	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 17:58	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 17:58	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 17:58	1
1,1-Dichloroethane	**0.35**	**J**	1.0	0.33	ug/L			01/05/24 17:58	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 17:58	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 17:58	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 17:58	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:58	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:58	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:58	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 17:58	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 17:58	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 17:58	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 17:58	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 17:58	1
Acetone	20	U	20	3.7	ug/L			01/05/24 17:58	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 17:58	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 17:58	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:58	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 17:58	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 17:58	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 17:58	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 17:58	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 17:58	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/05/24 17:58	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 17:58	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 17:58	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 17:58	1
cis-1,2-Dichloroethene	**0.53**	**J**	1.0	0.25	ug/L			01/05/24 17:58	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 17:58	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 17:58	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 17:58	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 17:58	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 17:58	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 17:58	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 17:58	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 17:58	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 17:58	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 17:58	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 17:58	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 17:58	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 17:58	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-3
Lab Sample ID: 680-245115-5
Date Collected: 01/03/24 10:00
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 17:58	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 17:58	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 17:58	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 17:58	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 17:58	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 124*		*01/05/24 17:58*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/05/24 17:58*	*1*
Dibromofluoromethane (Surr)	*106*		*70 - 130*		*01/05/24 17:58*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/05/24 17:58*	*1*

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-4
Lab Sample ID: 680-245115-6
Date Collected: 01/03/24 10:05
Matrix: Surface Water
Date Received: 01/04/24 09:49

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	**19**		1.0	0.32	ug/L			01/06/24 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 130*		*01/06/24 16:18*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 18:19	1
1,1,1-Trichloroethane	**1.7**		1.0	0.21	ug/L			01/05/24 18:19	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 18:19	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 18:19	1
1,1-Dichloroethane	**14**		1.0	0.33	ug/L			01/05/24 18:19	1
1,1-Dichloroethene	**0.45**	**J**	1.0	0.33	ug/L			01/05/24 18:19	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 18:19	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 18:19	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 18:19	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 18:19	1
1,2-Dichloroethane	**1.1**		1.0	0.25	ug/L			01/05/24 18:19	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 18:19	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 18:19	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 18:19	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 18:19	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 18:19	1
Acetone	20	U	20	3.7	ug/L			01/05/24 18:19	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 18:19	1
Benzene	**0.35**	**J**	1.0	0.27	ug/L			01/05/24 18:19	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 18:19	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 18:19	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 18:19	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 18:19	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 18:19	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 18:19	1
Chlorobenzene	**28**		1.0	0.15	ug/L			01/05/24 18:19	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 18:19	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 18:19	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 18:19	1
cis-1,2-Dichloroethene	**3.4**		1.0	0.25	ug/L			01/05/24 18:19	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 18:19	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 18:19	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 18:19	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 18:19	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 18:19	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 18:19	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 18:19	1
o-Xylene	**0.49**	**J**	1.0	0.26	ug/L			01/05/24 18:19	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 18:19	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 18:19	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 18:19	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 18:19	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 18:19	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-4
Lab Sample ID: 680-245115-6
Date Collected: 01/03/24 10:05
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 18:19	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 18:19	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 18:19	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 18:19	1
Vinyl chloride	**12**		1.0	0.40	ug/L			01/05/24 18:19	1
Xylenes (total)	**0.49**	**J**	3.0	0.23	ug/L			01/05/24 18:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 124*		*01/05/24 18:19*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/05/24 18:19*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*01/05/24 18:19*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/05/24 18:19*	*1*

Client Sample ID: 4101-SW-5
Date Collected: 01/03/24 09:50
Date Received: 01/04/24 09:49

Lab Sample ID: 680-245115-7
Matrix: Surface Water

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	18		1.0	0.32	ug/L			01/06/24 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 130*		*01/06/24 16:44*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 18:40	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 18:40	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 18:40	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 18:40	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/05/24 18:40	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 18:40	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 18:40	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 18:40	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 18:40	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 18:40	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 18:40	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 18:40	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 18:40	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 18:40	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 18:40	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 18:40	1
Acetone	20	U	20	3.7	ug/L			01/05/24 18:40	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 18:40	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 18:40	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 18:40	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 18:40	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 18:40	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 18:40	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 18:40	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 18:40	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/05/24 18:40	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 18:40	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 18:40	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 18:40	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/05/24 18:40	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 18:40	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 18:40	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 18:40	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 18:40	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 18:40	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 18:40	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 18:40	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 18:40	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 18:40	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 18:40	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 18:40	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 18:40	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 18:40	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-5
Lab Sample ID: 680-245115-7
Date Collected: 01/03/24 09:50
Matrix: Surface Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 18:40	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 18:40	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 18:40	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 18:40	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 18:40	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 18:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 124*		*01/05/24 18:40*	*1*
4-Bromofluorobenzene (Surr)	*99*		*70 - 130*		*01/05/24 18:40*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*01/05/24 18:40*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/05/24 18:40*	*1*

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-Trip Blank
Lab Sample ID: 680-245115-8

Date Collected: 01/03/24 00:00
Matrix: Water
Date Received: 01/04/24 09:49

Method: SW846 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	1.0	0.32	ug/L			01/05/24 21:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*78*		*70 - 130*		*01/05/24 21:37*	*1*

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 15:29	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 15:29	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 15:29	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 15:29	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:29	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 15:29	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 15:29	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 15:29	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:29	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 15:29	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 15:29	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 15:29	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 15:29	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 15:29	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 15:29	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 15:29	1
Acetone	20	U	20	3.7	ug/L			01/05/24 15:29	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 15:29	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 15:29	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 15:29	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 15:29	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 15:29	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 15:29	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 15:29	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 15:29	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/05/24 15:29	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 15:29	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 15:29	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 15:29	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/05/24 15:29	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 15:29	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 15:29	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 15:29	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 15:29	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 15:29	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 15:29	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 15:29	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 15:29	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 15:29	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 15:29	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 15:29	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 15:29	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 15:29	1

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-Trip Blank
Lab Sample ID: 680-245115-8

Date Collected: 01/03/24 00:00
Matrix: Water
Date Received: 01/04/24 09:49

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 15:29	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 15:29	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:29	1
Vinyl acetate	5.0	U J2	5.0	0.69	ug/L			01/05/24 15:29	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 15:29	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 124*		*01/05/24 15:29*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/05/24 15:29*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*01/05/24 15:29*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*01/05/24 15:29*	*1*

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

Lab Sample ID: MB 680-816620/11
Matrix: Water
Analysis Batch: 816620

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/05/24 15:08	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/05/24 15:08	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/05/24 15:08	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/05/24 15:08	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:08	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/05/24 15:08	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/05/24 15:08	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/05/24 15:08	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:08	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 15:08	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/05/24 15:08	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/05/24 15:08	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/05/24 15:08	1
2-Butanone	10	U	10	6.4	ug/L			01/05/24 15:08	1
2-Hexanone	10	U	10	3.2	ug/L			01/05/24 15:08	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/05/24 15:08	1
Acetone	20	U	20	3.7	ug/L			01/05/24 15:08	1
Acrylonitrile	20	U	20	5.5	ug/L			01/05/24 15:08	1
Benzene	1.0	U	1.0	0.27	ug/L			01/05/24 15:08	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/05/24 15:08	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/05/24 15:08	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/05/24 15:08	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/05/24 15:08	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/05/24 15:08	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/05/24 15:08	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/05/24 15:08	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/05/24 15:08	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/05/24 15:08	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/05/24 15:08	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/05/24 15:08	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/05/24 15:08	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/05/24 15:08	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/05/24 15:08	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/05/24 15:08	1
Iodomethane	10	U	10	3.9	ug/L			01/05/24 15:08	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/05/24 15:08	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/05/24 15:08	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/05/24 15:08	1
Styrene	1.0	U	1.0	0.27	ug/L			01/05/24 15:08	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/05/24 15:08	1
Toluene	1.0	U	1.0	0.25	ug/L			01/05/24 15:08	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/05/24 15:08	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/05/24 15:08	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/05/24 15:08	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/05/24 15:08	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/05/24 15:08	1
Vinyl acetate	5.0	U	5.0	0.69	ug/L			01/05/24 15:08	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/05/24 15:08	1

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

Lab Sample ID: MB 680-816620/11
Matrix: Water
Analysis Batch: 816620

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/05/24 15:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 124*		*01/05/24 15:08*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/05/24 15:08*	*1*
Dibromofluoromethane (Surr)	*107*		*70 - 130*		*01/05/24 15:08*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/05/24 15:08*	*1*

Lab Sample ID: LCS 680-816620/5
Matrix: Water
Analysis Batch: 816620

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,1-Trichloroethane	50.0	57.0		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	49.1		ug/L		98	70 - 130
1,1-Dichloroethane	50.0	52.5		ug/L		105	70 - 130
1,1-Dichloroethene	50.0	53.9		ug/L		108	70 - 130
1,2,3-Trichloropropane	50.0	48.0		ug/L		96	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	44.9		ug/L		90	70 - 130
1,2-Dibromoethane	50.0	50.4		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	50.2		ug/L		100	70 - 130
1,2-Dichloroethane	50.0	54.1		ug/L		108	70 - 130
1,2-Dichloropropane	50.0	50.6		ug/L		101	70 - 130
1,4-Dichlorobenzene	50.0	51.0		ug/L		102	70 - 130
2-Butanone	250	224		ug/L		90	69 - 120
2-Hexanone	250	219		ug/L		88	70 - 130
4-Methyl-2-pentanone	250	220		ug/L		88	68 - 120
Acetone	250	207		ug/L		83	67 - 120
Acrylonitrile	500	432		ug/L		86	70 - 130
Benzene	50.0	51.7		ug/L		103	70 - 130
Bromochloromethane	50.0	55.9		ug/L		112	70 - 130
Bromodichloromethane	50.0	52.8		ug/L		106	70 - 130
Bromoform	50.0	48.8		ug/L		98	69 - 129
Bromomethane	50.0	61.2		ug/L		122	28 - 192
Carbon disulfide	50.0	57.0		ug/L		114	70 - 130
Carbon tetrachloride	50.0	57.2		ug/L		114	70 - 130
Chlorobenzene	50.0	50.0		ug/L		100	70 - 130
Chloroethane	50.0	57.2		ug/L		114	31 - 213
Chloroform	50.0	53.2		ug/L		106	70 - 130
Chloromethane	50.0	55.8		ug/L		112	59 - 127
cis-1,2-Dichloroethene	50.0	53.3		ug/L		107	70 - 130
cis-1,3-Dichloropropene	50.0	51.9		ug/L		104	70 - 130
Dibromochloromethane	50.0	52.8		ug/L		106	70 - 130
Dibromomethane	50.0	50.4		ug/L		101	70 - 130
Ethylbenzene	50.0	52.1		ug/L		104	70 - 130
Iodomethane	50.0	61.8		ug/L		124	52 - 129

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

Lab Sample ID: LCS 680-816620/5
Matrix: Water
Analysis Batch: 816620

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
m,p-Xylenes	50.0	53.3		ug/L		107	70 - 130
Methylene Chloride	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	53.1		ug/L		106	70 - 130
Styrene	50.0	54.4		ug/L		109	70 - 130
Tetrachloroethene	50.0	54.9		ug/L		110	70 - 130
Toluene	50.0	52.8		ug/L		106	70 - 130
trans-1,2-Dichloroethene	50.0	53.4		ug/L		107	70 - 130
trans-1,3-Dichloropropene	50.0	52.5		ug/L		105	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.6		ug/L		97	67 - 120
Trichloroethene	50.0	49.2		ug/L		98	70 - 130
Trichlorofluoromethane	50.0	60.3		ug/L		121	63 - 142
Vinyl acetate	100	250	J2	ug/L		250	67 - 135
Vinyl chloride	50.0	56.5		ug/L		113	66 - 129
Xylenes (total)	100	106		ug/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*104*		*60 - 124*
4-Bromofluorobenzene (Surr)	*91*		*70 - 130*
Dibromofluoromethane (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Lab Sample ID: LCSD 680-816620/6
Matrix: Water
Analysis Batch: 816620

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
1,1,1,2-Tetrachloroethane	50.0	50.8		ug/L		102	70 - 130	1	30
1,1,1-Trichloroethane	50.0	55.9		ug/L		112	70 - 130	2	30
1,1,2,2-Tetrachloroethane	50.0	53.1		ug/L		106	70 - 130	5	30
1,1,2-Trichloroethane	50.0	50.3		ug/L		101	70 - 130	2	30
1,1-Dichloroethane	50.0	52.3		ug/L		105	70 - 130	0	30
1,1-Dichloroethene	50.0	53.6		ug/L		107	70 - 130	1	20
1,2,3-Trichloropropane	50.0	48.9		ug/L		98	70 - 130	2	30
1,2-Dibromo-3-Chloropropane	50.0	47.4		ug/L		95	70 - 130	5	30
1,2-Dibromoethane	50.0	52.2		ug/L		104	70 - 130	3	30
1,2-Dichlorobenzene	50.0	51.1		ug/L		102	70 - 130	2	30
1,2-Dichloroethane	50.0	54.5		ug/L		109	70 - 130	1	50
1,2-Dichloropropane	50.0	50.3		ug/L		101	70 - 130	1	20
1,4-Dichlorobenzene	50.0	51.6		ug/L		103	70 - 130	1	30
2-Butanone	250	224		ug/L		90	69 - 120	0	30
2-Hexanone	250	227		ug/L		91	70 - 130	4	20
4-Methyl-2-pentanone	250	230		ug/L		92	68 - 120	4	30
Acetone	250	206		ug/L		83	67 - 120	0	30
Acrylonitrile	500	455		ug/L		91	70 - 130	5	30
Benzene	50.0	52.3		ug/L		105	70 - 130	1	30
Bromochloromethane	50.0	56.3		ug/L		113	70 - 130	1	30
Bromodichloromethane	50.0	53.3		ug/L		107	70 - 130	1	30
Bromoform	50.0	50.0		ug/L		100	69 - 129	2	30

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

Lab Sample ID: LCSD 680-816620/6
Matrix: Water
Analysis Batch: 816620

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
Bromomethane	50.0	61.3		ug/L		123	28 - 192	0	30
Carbon disulfide	50.0	55.6		ug/L		111	70 - 130	2	30
Carbon tetrachloride	50.0	56.4		ug/L		113	70 - 130	1	30
Chlorobenzene	50.0	49.6		ug/L		99	70 - 130	1	30
Chloroethane	50.0	55.5		ug/L		111	31 - 213	3	30
Chloroform	50.0	53.2		ug/L		106	70 - 130	0	30
Chloromethane	50.0	54.8		ug/L		110	59 - 127	2	30
cis-1,2-Dichloroethene	50.0	54.1		ug/L		108	70 - 130	2	30
cis-1,3-Dichloropropene	50.0	52.2		ug/L		104	70 - 130	1	20
Dibromochloromethane	50.0	53.7		ug/L		107	70 - 130	2	30
Dibromomethane	50.0	51.4		ug/L		103	70 - 130	2	30
Ethylbenzene	50.0	51.6		ug/L		103	70 - 130	1	20
Iodomethane	50.0	60.1		ug/L		120	52 - 129	3	30
m,p-Xylenes	50.0	53.0		ug/L		106	70 - 130	0	30
Methylene Chloride	50.0	51.1		ug/L		102	70 - 130	0	30
o-Xylene	50.0	52.9		ug/L		106	70 - 130	0	30
Styrene	50.0	54.5		ug/L		109	70 - 130	0	30
Tetrachloroethene	50.0	53.7		ug/L		107	70 - 130	2	30
Toluene	50.0	52.7		ug/L		105	70 - 130	0	30
trans-1,2-Dichloroethene	50.0	52.3		ug/L		105	70 - 130	2	30
trans-1,3-Dichloropropene	50.0	53.4		ug/L		107	70 - 130	2	30
trans-1,4-Dichloro-2-butene	50.0	49.7		ug/L		99	67 - 120	2	30
Trichloroethene	50.0	48.9		ug/L		98	70 - 130	1	30
Trichlorofluoromethane	50.0	58.7		ug/L		117	63 - 142	3	30
Vinyl acetate	100	258	J2	ug/L		258	67 - 135	3	30
Vinyl chloride	50.0	56.2		ug/L		112	66 - 129	1	30
Xylenes (total)	100	106		ug/L		106	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 124*
4-Bromofluorobenzene (Surr)	*93*		*70 - 130*
Dibromofluoromethane (Surr)	*110*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 680-816824/8
Matrix: Water
Analysis Batch: 816824

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/08/24 11:53	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/08/24 11:53	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/08/24 11:53	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/08/24 11:53	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/08/24 11:53	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/08/24 11:53	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/08/24 11:53	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/08/24 11:53	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/08/24 11:53	1

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

Lab Sample ID: MB 680-816824/8
Matrix: Water
Analysis Batch: 816824

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/08/24 11:53	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/08/24 11:53	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/08/24 11:53	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/08/24 11:53	1
2-Butanone	10	U	10	6.4	ug/L			01/08/24 11:53	1
2-Hexanone	10	U	10	3.2	ug/L			01/08/24 11:53	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/08/24 11:53	1
Acetone	20	U	20	3.7	ug/L			01/08/24 11:53	1
Acrylonitrile	20	U	20	5.5	ug/L			01/08/24 11:53	1
Benzene	1.0	U	1.0	0.27	ug/L			01/08/24 11:53	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/08/24 11:53	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/08/24 11:53	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/08/24 11:53	1
Bromomethane	5.0	U	5.0	3.7	ug/L			01/08/24 11:53	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/08/24 11:53	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/08/24 11:53	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/08/24 11:53	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/08/24 11:53	1
Chloroform	0.322	J	1.0	0.27	ug/L			01/08/24 11:53	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/08/24 11:53	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/08/24 11:53	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/08/24 11:53	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/08/24 11:53	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/08/24 11:53	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/08/24 11:53	1
Iodomethane	10	U	10	3.9	ug/L			01/08/24 11:53	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/08/24 11:53	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/08/24 11:53	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/08/24 11:53	1
Styrene	1.0	U	1.0	0.27	ug/L			01/08/24 11:53	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/08/24 11:53	1
Toluene	1.0	U	1.0	0.25	ug/L			01/08/24 11:53	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/08/24 11:53	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/08/24 11:53	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/08/24 11:53	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/08/24 11:53	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/08/24 11:53	1
Vinyl acetate	5.0	U	5.0	0.69	ug/L			01/08/24 11:53	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/08/24 11:53	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/08/24 11:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 124*		*01/08/24 11:53*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/08/24 11:53*	*1*
Dibromofluoromethane (Surr)	*105*		*70 - 130*		*01/08/24 11:53*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*01/08/24 11:53*	*1*

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

Lab Sample ID: LCS 680-816824/4
Matrix: Water
Analysis Batch: 816824

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	51.7		ug/L		103	70 - 130
1,1,1-Trichloroethane	50.0	57.2		ug/L		114	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.0		ug/L		102	70 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethane	50.0	52.0		ug/L		104	70 - 130
1,1-Dichloroethene	50.0	53.8		ug/L		108	70 - 130
1,2,3-Trichloropropane	50.0	47.1		ug/L		94	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	47.4		ug/L		95	70 - 130
1,2-Dibromoethane	50.0	50.3		ug/L		101	70 - 130
1,2-Dichlorobenzene	50.0	51.5		ug/L		103	70 - 130
1,2-Dichloroethane	50.0	54.5		ug/L		109	70 - 130
1,2-Dichloropropane	50.0	49.2		ug/L		98	70 - 130
1,4-Dichlorobenzene	50.0	51.4		ug/L		103	70 - 130
2-Butanone	250	216		ug/L		87	69 - 120
2-Hexanone	250	210		ug/L		84	70 - 130
4-Methyl-2-pentanone	250	218		ug/L		87	68 - 120
Acetone	250	186		ug/L		74	67 - 120
Acrylonitrile	500	435		ug/L		87	70 - 130
Benzene	50.0	51.5		ug/L		103	70 - 130
Bromochloromethane	50.0	56.6		ug/L		113	70 - 130
Bromodichloromethane	50.0	53.4		ug/L		107	70 - 130
Bromoform	50.0	49.5		ug/L		99	69 - 129
Bromomethane	50.0	60.6		ug/L		121	28 - 192
Carbon disulfide	50.0	55.7		ug/L		111	70 - 130
Carbon tetrachloride	50.0	57.5		ug/L		115	70 - 130
Chlorobenzene	50.0	49.9		ug/L		100	70 - 130
Chloroethane	50.0	55.6		ug/L		111	31 - 213
Chloroform	50.0	52.6		ug/L		105	70 - 130
Chloromethane	50.0	50.6		ug/L		101	59 - 127
cis-1,2-Dichloroethene	50.0	53.5		ug/L		107	70 - 130
cis-1,3-Dichloropropene	50.0	52.0		ug/L		104	70 - 130
Dibromochloromethane	50.0	53.8		ug/L		108	70 - 130
Dibromomethane	50.0	50.7		ug/L		101	70 - 130
Ethylbenzene	50.0	51.4		ug/L		103	70 - 130
Iodomethane	50.0	59.2		ug/L		118	52 - 129
m,p-Xylenes	50.0	52.6		ug/L		105	70 - 130
Methylene Chloride	50.0	51.3		ug/L		103	70 - 130
o-Xylene	50.0	52.5		ug/L		105	70 - 130
Styrene	50.0	53.2		ug/L		106	70 - 130
Tetrachloroethene	50.0	55.7		ug/L		111	70 - 130
Toluene	50.0	52.2		ug/L		104	70 - 130
trans-1,2-Dichloroethene	50.0	52.6		ug/L		105	70 - 130
trans-1,3-Dichloropropene	50.0	53.1		ug/L		106	70 - 130
trans-1,4-Dichloro-2-butene	50.0	48.0		ug/L		96	67 - 120
Trichloroethene	50.0	49.7		ug/L		99	70 - 130
Trichlorofluoromethane	50.0	59.1		ug/L		118	63 - 142
Vinyl acetate	100	254	J2	ug/L		254	67 - 135
Vinyl chloride	50.0	52.9		ug/L		106	66 - 129

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

Lab Sample ID: LCS 680-816824/4
Matrix: Water
Analysis Batch: 816824

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Xylenes (total)			100	105		ug/L		105	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 124*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*112*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: LCSD 680-816824/5
Matrix: Water
Analysis Batch: 816824

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
1,1,1,2-Tetrachloroethane			50.0	52.2		ug/L		104	70 - 130	1	30
1,1,1-Trichloroethane			50.0	56.2		ug/L		112	70 - 130	2	30
1,1,2,2-Tetrachloroethane			50.0	52.1		ug/L		104	70 - 130	2	30
1,1,2-Trichloroethane			50.0	49.3		ug/L		99	70 - 130	1	30
1,1-Dichloroethane			50.0	51.7		ug/L		103	70 - 130	1	30
1,1-Dichloroethene			50.0	53.0		ug/L		106	70 - 130	2	20
1,2,3-Trichloropropane			50.0	47.3		ug/L		95	70 - 130	0	30
1,2-Dibromo-3-Chloropropane			50.0	45.7		ug/L		91	70 - 130	4	30
1,2-Dibromoethane			50.0	49.4		ug/L		99	70 - 130	2	30
1,2-Dichlorobenzene			50.0	50.0		ug/L		100	70 - 130	3	30
1,2-Dichloroethane			50.0	53.6		ug/L		107	70 - 130	2	50
1,2-Dichloropropane			50.0	49.3		ug/L		99	70 - 130	0	20
1,4-Dichlorobenzene			50.0	51.2		ug/L		102	70 - 130	0	30
2-Butanone			250	209		ug/L		84	69 - 120	4	30
2-Hexanone			250	209		ug/L		83	70 - 130	1	20
4-Methyl-2-pentanone			250	217		ug/L		87	68 - 120	0	30
Acetone			250	177		ug/L		71	67 - 120	5	30
Acrylonitrile			500	425		ug/L		85	70 - 130	2	30
Benzene			50.0	51.6		ug/L		103	70 - 130	0	30
Bromochloromethane			50.0	55.4		ug/L		111	70 - 130	2	30
Bromodichloromethane			50.0	52.5		ug/L		105	70 - 130	2	30
Bromoform			50.0	48.8		ug/L		98	69 - 129	2	30
Bromomethane			50.0	60.5		ug/L		121	28 - 192	0	30
Carbon disulfide			50.0	55.5		ug/L		111	70 - 130	0	30
Carbon tetrachloride			50.0	57.7		ug/L		115	70 - 130	0	30
Chlorobenzene			50.0	50.3		ug/L		101	70 - 130	1	30
Chloroethane			50.0	54.9		ug/L		110	31 - 213	1	30
Chloroform			50.0	53.5		ug/L		107	70 - 130	2	30
Chloromethane			50.0	50.8		ug/L		102	59 - 127	1	30
cis-1,2-Dichloroethene			50.0	53.7		ug/L		107	70 - 130	1	30
cis-1,3-Dichloropropene			50.0	51.5		ug/L		103	70 - 130	1	20
Dibromochloromethane			50.0	53.1		ug/L		106	70 - 130	1	30
Dibromomethane			50.0	51.1		ug/L		102	70 - 130	1	30
Ethylbenzene			50.0	52.7		ug/L		105	70 - 130	2	20
Iodomethane			50.0	60.1		ug/L		120	52 - 129	2	30

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

Lab Sample ID: LCSD 680-816824/5
Matrix: Water
Analysis Batch: 816824

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
m,p-Xylenes			50.0	53.5		ug/L		107	70 - 130	2	30
Methylene Chloride			50.0	51.0		ug/L		102	70 - 130	1	30
o-Xylene			50.0	53.4		ug/L		107	70 - 130	2	30
Styrene			50.0	53.9		ug/L		108	70 - 130	1	30
Tetrachloroethene			50.0	54.2		ug/L		108	70 - 130	3	30
Toluene			50.0	52.7		ug/L		105	70 - 130	1	30
trans-1,2-Dichloroethene			50.0	52.4		ug/L		105	70 - 130	0	30
trans-1,3-Dichloropropene			50.0	53.3		ug/L		107	70 - 130	0	30
trans-1,4-Dichloro-2-butene			50.0	49.1		ug/L		98	67 - 120	2	30
Trichloroethene			50.0	49.0		ug/L		98	70 - 130	1	30
Trichlorofluoromethane			50.0	60.1		ug/L		120	63 - 142	2	30
Vinyl acetate			100	250	J2	ug/L		250	67 - 135	2	30
Vinyl chloride			50.0	53.8		ug/L		108	66 - 129	2	30
Xylenes (total)			100	107		ug/L		107	70 - 130	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 124*
4-Bromofluorobenzene (Surr)	*92*		*70 - 130*
Dibromofluoromethane (Surr)	*109*		*70 - 130*
Toluene-d8 (Surr)	*106*		*70 - 130*

Lab Sample ID: MB 680-816986/10
Matrix: Water
Analysis Batch: 816986

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	1.0	U	1.0	0.36	ug/L			01/09/24 13:27	1
1,1,1-Trichloroethane	1.0	U	1.0	0.21	ug/L			01/09/24 13:27	1
1,1,2,2-Tetrachloroethane	1.0	U	1.0	0.40	ug/L			01/09/24 13:27	1
1,1,2-Trichloroethane	1.0	U	1.0	0.32	ug/L			01/09/24 13:27	1
1,1-Dichloroethane	1.0	U	1.0	0.33	ug/L			01/09/24 13:27	1
1,1-Dichloroethene	1.0	U	1.0	0.33	ug/L			01/09/24 13:27	1
1,2,3-Trichloropropane	1.0	U	1.0	0.48	ug/L			01/09/24 13:27	1
1,2-Dibromo-3-Chloropropane	5.0	U	5.0	1.8	ug/L			01/09/24 13:27	1
1,2-Dibromoethane	1.0	U	1.0	0.33	ug/L			01/09/24 13:27	1
1,2-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/09/24 13:27	1
1,2-Dichloroethane	1.0	U	1.0	0.25	ug/L			01/09/24 13:27	1
1,2-Dichloropropane	1.0	U	1.0	0.22	ug/L			01/09/24 13:27	1
1,4-Dichlorobenzene	1.0	U	1.0	0.31	ug/L			01/09/24 13:27	1
2-Butanone	10	U	10	6.4	ug/L			01/09/24 13:27	1
2-Hexanone	10	U	10	3.2	ug/L			01/09/24 13:27	1
4-Methyl-2-pentanone	10	U	10	2.7	ug/L			01/09/24 13:27	1
Acetone	20	U	20	3.7	ug/L			01/09/24 13:27	1
Acrylonitrile	20	U	20	5.5	ug/L			01/09/24 13:27	1
Benzene	1.0	U	1.0	0.27	ug/L			01/09/24 13:27	1
Bromochloromethane	1.0	U	1.0	0.34	ug/L			01/09/24 13:27	1
Bromodichloromethane	1.0	U	1.0	0.25	ug/L			01/09/24 13:27	1
Bromoform	1.0	U	1.0	0.59	ug/L			01/09/24 13:27	1

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

Lab Sample ID: MB 680-816986/10
Matrix: Water
Analysis Batch: 816986

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	5.0	U	5.0	3.7	ug/L			01/09/24 13:27	1
Carbon disulfide	5.0	U	5.0	0.43	ug/L			01/09/24 13:27	1
Carbon tetrachloride	1.0	U	1.0	0.30	ug/L			01/09/24 13:27	1
Chlorobenzene	1.0	U	1.0	0.15	ug/L			01/09/24 13:27	1
Chloroethane	5.0	U	5.0	4.6	ug/L			01/09/24 13:27	1
Chloroform	1.0	U	1.0	0.27	ug/L			01/09/24 13:27	1
Chloromethane	1.0	U	1.0	0.54	ug/L			01/09/24 13:27	1
cis-1,2-Dichloroethene	1.0	U	1.0	0.25	ug/L			01/09/24 13:27	1
cis-1,3-Dichloropropene	1.0	U	1.0	0.26	ug/L			01/09/24 13:27	1
Dibromochloromethane	1.0	U	1.0	0.39	ug/L			01/09/24 13:27	1
Dibromomethane	1.0	U	1.0	0.34	ug/L			01/09/24 13:27	1
Ethylbenzene	1.0	U	1.0	0.20	ug/L			01/09/24 13:27	1
Iodomethane	10	U	10	3.9	ug/L			01/09/24 13:27	1
m,p-Xylenes	2.0	U	2.0	0.49	ug/L			01/09/24 13:27	1
Methylene Chloride	5.0	U	5.0	3.2	ug/L			01/09/24 13:27	1
o-Xylene	1.0	U	1.0	0.26	ug/L			01/09/24 13:27	1
Styrene	1.0	U	1.0	0.27	ug/L			01/09/24 13:27	1
Tetrachloroethene	1.0	U	1.0	0.35	ug/L			01/09/24 13:27	1
Toluene	1.0	U	1.0	0.25	ug/L			01/09/24 13:27	1
trans-1,2-Dichloroethene	1.0	U	1.0	0.34	ug/L			01/09/24 13:27	1
trans-1,3-Dichloropropene	1.0	U	1.0	0.23	ug/L			01/09/24 13:27	1
trans-1,4-Dichloro-2-butene	2.0	U	2.0	1.3	ug/L			01/09/24 13:27	1
Trichloroethene	1.0	U	1.0	0.20	ug/L			01/09/24 13:27	1
Trichlorofluoromethane	1.0	U	1.0	0.33	ug/L			01/09/24 13:27	1
Vinyl acetate	5.0	U	5.0	0.69	ug/L			01/09/24 13:27	1
Vinyl chloride	1.0	U	1.0	0.40	ug/L			01/09/24 13:27	1
Xylenes (total)	3.0	U	3.0	0.23	ug/L			01/09/24 13:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*80*		*60 - 124*		*01/09/24 13:27*	*1*
4-Bromofluorobenzene (Surr)	*100*		*70 - 130*		*01/09/24 13:27*	*1*
Dibromofluoromethane (Surr)	*87*		*70 - 130*		*01/09/24 13:27*	*1*
Toluene-d8 (Surr)	*89*		*70 - 130*		*01/09/24 13:27*	*1*

Lab Sample ID: LCS 680-816986/6
Matrix: Water
Analysis Batch: 816986

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/L		106	70 - 130
1,1,1-Trichloroethane	50.0	45.7		ug/L		91	70 - 130
1,1,2,2-Tetrachloroethane	50.0	59.0		ug/L		118	70 - 130
1,1,2-Trichloroethane	50.0	49.9		ug/L		100	70 - 130
1,1-Dichloroethane	50.0	46.7		ug/L		93	70 - 130
1,1-Dichloroethene	50.0	52.9		ug/L		106	70 - 130
1,2,3-Trichloropropane	50.0	56.2		ug/L		112	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	55.4		ug/L		111	70 - 130
1,2-Dibromoethane	50.0	51.3		ug/L		103	70 - 130

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

Lab Sample ID: LCS 680-816986/6
Matrix: Water
Analysis Batch: 816986

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,2-Dichlorobenzene	50.0	47.0		ug/L		94	70 - 130
1,2-Dichloroethane	50.0	45.7		ug/L		91	70 - 130
1,2-Dichloropropane	50.0	49.4		ug/L		99	70 - 130
1,4-Dichlorobenzene	50.0	47.7		ug/L		95	70 - 130
2-Butanone	250	512	J2	ug/L		205	69 - 120
2-Hexanone	250	248		ug/L		99	70 - 130
4-Methyl-2-pentanone	250	264		ug/L		106	68 - 120
Acetone	250	274		ug/L		109	67 - 120
Acrylonitrile	500	514		ug/L		103	70 - 130
Benzene	50.0	48.0		ug/L		96	70 - 130
Bromochloromethane	50.0	48.8		ug/L		98	70 - 130
Bromodichloromethane	50.0	45.7		ug/L		91	70 - 130
Bromoform	50.0	54.5		ug/L		109	69 - 129
Bromomethane	50.0	36.2		ug/L		72	28 - 192
Carbon disulfide	50.0	51.5		ug/L		103	70 - 130
Carbon tetrachloride	50.0	47.5		ug/L		95	70 - 130
Chlorobenzene	50.0	48.8		ug/L		98	70 - 130
Chloroethane	50.0	35.0		ug/L		70	31 - 213
Chloroform	50.0	42.3		ug/L		85	70 - 130
Chloromethane	50.0	37.7		ug/L		75	59 - 127
cis-1,2-Dichloroethene	50.0	45.1		ug/L		90	70 - 130
cis-1,3-Dichloropropene	50.0	50.3		ug/L		101	70 - 130
Dibromochloromethane	50.0	48.9		ug/L		98	70 - 130
Dibromomethane	50.0	47.1		ug/L		94	70 - 130
Ethylbenzene	50.0	47.3		ug/L		95	70 - 130
Iodomethane	50.0	50.1		ug/L		100	52 - 129
m,p-Xylenes	50.0	47.2		ug/L		94	70 - 130
Methylene Chloride	50.0	42.6		ug/L		85	70 - 130
o-Xylene	50.0	47.2		ug/L		94	70 - 130
Styrene	50.0	47.4		ug/L		95	70 - 130
Tetrachloroethene	50.0	48.6		ug/L		97	70 - 130
Toluene	50.0	45.6		ug/L		91	70 - 130
trans-1,2-Dichloroethene	50.0	49.6		ug/L		99	70 - 130
trans-1,3-Dichloropropene	50.0	50.6		ug/L		101	70 - 130
trans-1,4-Dichloro-2-butene	50.0	56.6		ug/L		113	67 - 120
Trichloroethene	50.0	46.7		ug/L		93	70 - 130
Trichlorofluoromethane	50.0	40.8		ug/L		82	63 - 142
Vinyl acetate	100	222	J2	ug/L		222	67 - 135
Vinyl chloride	50.0	39.0		ug/L		78	66 - 129
Xylenes (total)	100	94.4		ug/L		94	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*60 - 124*
4-Bromofluorobenzene (Surr)	*97*		*70 - 130*
Dibromofluoromethane (Surr)	*86*		*70 - 130*
Toluene-d8 (Surr)	*88*		*70 - 130*

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

Lab Sample ID: LCSD 680-816986/7
Matrix: Water
Analysis Batch: 816986

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
1,1,1,2-Tetrachloroethane			50.0	53.9		ug/L		108	70 - 130	1	30
1,1,1-Trichloroethane			50.0	45.7		ug/L		91	70 - 130	0	30
1,1,2,2-Tetrachloroethane			50.0	61.3		ug/L		123	70 - 130	4	30
1,1,2-Trichloroethane			50.0	52.0		ug/L		104	70 - 130	4	30
1,1-Dichloroethane			50.0	47.0		ug/L		94	70 - 130	1	30
1,1-Dichloroethene			50.0	52.5		ug/L		105	70 - 130	1	20
1,2,3-Trichloropropane			50.0	57.8		ug/L		116	70 - 130	3	30
1,2-Dibromo-3-Chloropropane			50.0	56.0		ug/L		112	70 - 130	1	30
1,2-Dibromoethane			50.0	53.5		ug/L		107	70 - 130	4	30
1,2-Dichlorobenzene			50.0	47.5		ug/L		95	70 - 130	1	30
1,2-Dichloroethane			50.0	46.5		ug/L		93	70 - 130	2	50
1,2-Dichloropropane			50.0	51.0		ug/L		102	70 - 130	3	20
1,4-Dichlorobenzene			50.0	46.9		ug/L		94	70 - 130	2	30
2-Butanone			250	542	J2	ug/L		217	69 - 120	6	30
2-Hexanone			250	261		ug/L		105	70 - 130	5	20
4-Methyl-2-pentanone			250	279		ug/L		112	68 - 120	6	30
Acetone			250	287		ug/L		115	67 - 120	5	30
Acrylonitrile			500	545		ug/L		109	70 - 130	6	30
Benzene			50.0	48.6		ug/L		97	70 - 130	1	30
Bromochloromethane			50.0	50.1		ug/L		100	70 - 130	3	30
Bromodichloromethane			50.0	46.4		ug/L		93	70 - 130	2	30
Bromoform			50.0	55.8		ug/L		112	69 - 129	2	30
Bromomethane			50.0	35.8		ug/L		72	28 - 192	1	30
Carbon disulfide			50.0	50.7		ug/L		101	70 - 130	2	30
Carbon tetrachloride			50.0	47.8		ug/L		96	70 - 130	1	30
Chlorobenzene			50.0	48.3		ug/L		97	70 - 130	1	30
Chloroethane			50.0	35.6		ug/L		71	31 - 213	2	30
Chloroform			50.0	42.2		ug/L		84	70 - 130	0	30
Chloromethane			50.0	39.1		ug/L		78	59 - 127	4	30
cis-1,2-Dichloroethene			50.0	45.4		ug/L		91	70 - 130	1	30
cis-1,3-Dichloropropene			50.0	51.1		ug/L		102	70 - 130	2	20
Dibromochloromethane			50.0	50.1		ug/L		100	70 - 130	3	30
Dibromomethane			50.0	49.0		ug/L		98	70 - 130	4	30
Ethylbenzene			50.0	47.3		ug/L		95	70 - 130	0	20
Iodomethane			50.0	49.7		ug/L		99	52 - 129	1	30
m,p-Xylenes			50.0	46.8		ug/L		94	70 - 130	1	30
Methylene Chloride			50.0	43.3		ug/L		87	70 - 130	2	30
o-Xylene			50.0	47.2		ug/L		94	70 - 130	0	30
Styrene			50.0	47.7		ug/L		95	70 - 130	1	30
Tetrachloroethene			50.0	49.4		ug/L		99	70 - 130	2	30
Toluene			50.0	46.1		ug/L		92	70 - 130	1	30
trans-1,2-Dichloroethene			50.0	48.8		ug/L		98	70 - 130	2	30
trans-1,3-Dichloropropene			50.0	52.0		ug/L		104	70 - 130	3	30
trans-1,4-Dichloro-2-butene			50.0	58.5		ug/L		117	67 - 120	3	30
Trichloroethene			50.0	46.8		ug/L		94	70 - 130	0	30
Trichlorofluoromethane			50.0	41.0		ug/L		82	63 - 142	1	30
Vinyl acetate			100	230	J2	ug/L		230	67 - 135	4	30
Vinyl chloride			50.0	39.1		ug/L		78	66 - 129	0	30

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

Lab Sample ID: LCSD 680-816986/7
Matrix: Water
Analysis Batch: 816986

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
Xylenes (total)			100	94.0		ug/L		94	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*87*		*60 - 124*
4-Bromofluorobenzene (Surr)	*95*		*70 - 130*
Dibromofluoromethane (Surr)	*87*		*70 - 130*
Toluene-d8 (Surr)	*89*		*70 - 130*

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-816720/7
Matrix: Water
Analysis Batch: 816720

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	1.0	0.32	ug/L			01/05/24 20:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 130*		*01/05/24 20:46*	*1*

Lab Sample ID: LCS 680-816720/3
Matrix: Water
Analysis Batch: 816720

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			10.0	9.68		ug/L		97	70 - 130		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*74*		*70 - 130*

Lab Sample ID: LCSD 680-816720/4
Matrix: Water
Analysis Batch: 816720

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
1,4-Dioxane			10.0	9.29		ug/L		93	70 - 130	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*76*		*70 - 130*

Lab Sample ID: MB 680-816724/7
Matrix: Water
Analysis Batch: 816724

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1.0	U	1.0	0.32	ug/L			01/06/24 12:02	1

Method: 8260D SIM 14D - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-816724/7
Matrix: Water
Analysis Batch: 816724

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	80		70 - 130		01/06/24 12:02	1

Lab Sample ID: LCS 680-816724/3
Matrix: Water
Analysis Batch: 816724

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			10.0	9.15		ug/L		92	70 - 130		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
4-Bromofluorobenzene (Surr)	78		70 - 130

Lab Sample ID: LCSD 680-816724/4
Matrix: Water
Analysis Batch: 816724

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
1,4-Dioxane			10.0	8.89		ug/L		89	70 - 130	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	85		70 - 130

QC Association Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

GC/MS VOA

Analysis Batch: 816620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-245115-1	4101-AW-3	Total/NA	Surface Water	8260D	
680-245115-2	4101-AWB-4	Total/NA	Surface Water	8260D	
680-245115-3	4101-SW-1	Total/NA	Surface Water	8260D	
680-245115-4	4101-SW-2	Total/NA	Surface Water	8260D	
680-245115-5	4101-SW-3	Total/NA	Surface Water	8260D	
680-245115-6	4101-SW-4	Total/NA	Surface Water	8260D	
680-245115-7	4101-SW-5	Total/NA	Surface Water	8260D	
680-245115-8	4101-Trip Blank	Total/NA	Water	8260D	
MB 680-816620/11	Method Blank	Total/NA	Water	8260D	
LCS 680-816620/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-816620/6	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 816720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-245115-8	4101-Trip Blank	Total/NA	Water	8260D SIM 14D	
MB 680-816720/7	Method Blank	Total/NA	Water	8260D SIM 14D	
LCS 680-816720/3	Lab Control Sample	Total/NA	Water	8260D SIM 14D	
LCSD 680-816720/4	Lab Control Sample Dup	Total/NA	Water	8260D SIM 14D	

Analysis Batch: 816724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-245115-1	4101-AW-3	Total/NA	Surface Water	8260D SIM 14D	
680-245115-2	4101-AWB-4	Total/NA	Surface Water	8260D SIM 14D	
680-245115-3	4101-SW-1	Total/NA	Surface Water	8260D SIM 14D	
680-245115-4	4101-SW-2	Total/NA	Surface Water	8260D SIM 14D	
680-245115-5	4101-SW-3	Total/NA	Surface Water	8260D SIM 14D	
680-245115-6	4101-SW-4	Total/NA	Surface Water	8260D SIM 14D	
680-245115-7	4101-SW-5	Total/NA	Surface Water	8260D SIM 14D	
MB 680-816724/7	Method Blank	Total/NA	Water	8260D SIM 14D	
LCS 680-816724/3	Lab Control Sample	Total/NA	Water	8260D SIM 14D	
LCSD 680-816724/4	Lab Control Sample Dup	Total/NA	Water	8260D SIM 14D	

Analysis Batch: 816824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-245115-1 - DL	4101-AW-3	Total/NA	Surface Water	8260D	
680-245115-2 - DL	4101-AWB-4	Total/NA	Surface Water	8260D	
MB 680-816824/8	Method Blank	Total/NA	Water	8260D	
LCS 680-816824/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-816824/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Analysis Batch: 816986

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-245115-2 - DL	4101-AWB-4	Total/NA	Surface Water	8260D	
MB 680-816986/10	Method Blank	Total/NA	Water	8260D	
LCS 680-816986/6	Lab Control Sample	Total/NA	Water	8260D	
LCSD 680-816986/7	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-AW-3
Lab Sample ID: 680-245115-1
Date Collected: 01/03/24 08:55
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 16:33	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	816824	01/08/24 16:21	Y1S	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		10	10 mL	10 mL	816724	01/06/24 12:53	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-AWB-4
Lab Sample ID: 680-245115-2
Date Collected: 01/03/24 08:30
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D	DL	25	5 mL	5 mL	816986	01/09/24 14:55	AA	EET SAV
	Instrument ID: CMSAA									
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 16:54	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D	DL	5	5 mL	5 mL	816824	01/08/24 16:42	Y1S	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		50	10 mL	10 mL	816724	01/06/24 13:19	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-SW-1
Lab Sample ID: 680-245115-3
Date Collected: 01/03/24 09:30
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 17:15	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816724	01/06/24 12:27	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-SW-2
Lab Sample ID: 680-245115-4
Date Collected: 01/03/24 09:40
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 17:37	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816724	01/06/24 15:27	AA	EET SAV
	Instrument ID: CMSAK									

Lab Chronicle

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Client Sample ID: 4101-SW-3
Lab Sample ID: 680-245115-5
Date Collected: 01/03/24 10:00
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 17:58	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816724	01/06/24 15:52	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-SW-4
Lab Sample ID: 680-245115-6
Date Collected: 01/03/24 10:05
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 18:19	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816724	01/06/24 16:18	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-SW-5
Lab Sample ID: 680-245115-7
Date Collected: 01/03/24 09:50
Matrix: Surface Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 18:40	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816724	01/06/24 16:44	AA	EET SAV
	Instrument ID: CMSAK									

Client Sample ID: 4101-Trip Blank
Lab Sample ID: 680-245115-8
Date Collected: 01/03/24 00:00
Matrix: Water
Date Received: 01/04/24 09:49

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	5 mL	5 mL	816620	01/05/24 15:29	AA	EET SAV
	Instrument ID: CMSC									
Total/NA	Analysis	8260D SIM 14D		1	10 mL	10 mL	816720	01/05/24 21:37	AA	EET SAV
	Instrument ID: CMSAK									

Laboratory References:
EET SAV = Eurofins Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Eurofins Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Phone (912) 354-7858 Phone (912) 352-0165

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Russell Bassett	Lab PM: Andros, John	Carrier Tracking No(s):	COC No:
Client Contact: Gary Babb	Phone: 336-306-0175	E-Mail: John.Andros@et.eurofinsus.com	State of Origin: NC	Page: Page 1 of 1
Company: Babb & Associates	PWSID:			Job #:
Address: 5506 Bradford Pear Court	Due Date Requested:			
City: Raleigh	TAT Requested (days):			
State, Zip: NC, 27606	Compliance Project: Δ Yes Δ No			
Phone: 919-605-4713(Tel)	PO #:			
Email: gbabb@nc.rr.com	WO #:			
Project Name: Seaboard - Quarterly Surface Waters	Project #: 68024012			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Y - Trizma, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - Appendix 1 VOCs	8260D_SIM_14DX - 1,4-Dioxane	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A	A		
4101 - AW-3	1-3-24	0855	G							
4101 - AWB-4	1-3-24	0830	G							
4101 - SW-1	1-3-24	0930	G							
4101 - SW-2	1-3-24	0940	G							
4101 - SW-3	1-3-24	1000	G							
4101 - SW-4	1-3-24	1005	G							
4101 - SW-5	1-3-24	0950	G							

680-245115 Chain of Custody

244 ATLANTA

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Russell Bassett	1-3-24 1145	RIS			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/3/24 0949	Company Eurofins

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 5.1/5.4

Login Sample Receipt Checklist

Client: Babb & Associates

Job Number: 680-245115-1

Login Number: 245115
List Number: 1
Creator: Munro, Caroline

List Source: Eurofins Savannah

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.	False	Received Trip Blank(s) not listed on COC.
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.	N/A	
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	

Accreditation/Certification Summary

Client: Babb & Associates
Job ID: 680-245115-1
Project/Site: Seaboard- Quarterly Surface Waters

Laboratory: Eurofins Savannah

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

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	269	01-12-24