

SEABOARD GROUP II AND THE CITY OF HIGH POINT

October 20, 2023

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: Remedial Action Progress Report, 2023 Third Quarter
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 2023 Third Quarter Remedial Action Progress Report for the former Seaboard Chemical Corporation facility and the closed Riverdale Drive Landfill located in Jamestown, NC.

During the third quarter of 2023, the mechanical and phytoremediation treatment systems processed 3,755,987 gallons of extracted groundwater and leachate. Based on the average influent contaminant concentrations, approximately 268.8 pounds of volatile organic compounds and 22.8 pounds of 1,4-dioxane were recovered from the groundwater extraction wells and leachate collection systems.

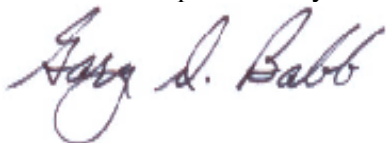
One major and one minor shutdown occurred during the third quarter of 2023. The system was shutdown for 7 days beginning on September 5, 2023 for a routine citric acid cleaning. The system was also shutdown on September 23, 2023 for 1.6 days related to a power failure. No other significant shutdowns occurred during this reporting period.

The irrigation line replacement is complete and fully operational. Each irrigation zone is capable of managing the full design volume of irrigation water from the mechanical treatment system.

Also, please find attached the TM-11 Fourth Quarter and Final Summary Report for groundwater samples collected on July 6, 2023 at the Pond 3 and SIS Basin Areas.

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.

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

Technical Memorandum 11 – Final Summary Report

Former Seaboard Chemical/Riverdale Drive Landfill
5899 Riverdale Drive
Jamestown, North Carolina
Permit No. 41-01
NCD 071 574 164

Prepared for:

Seaboard Group II and City of High Point
High Point, NC

Prepared by:

Babb & Associates, P.A.
Raleigh, North Carolina

October 2023



Gary D. Babb, Licensed Geologist



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1.0 BACKGROUND

In April 2020, the Seaboard Group II and City of High Point (Parties) submitted the Remedial Monitoring and Effectiveness Evaluation (RMEE) Report that documented the initial two years of operation, maintenance, and monitoring of the extraction and treatment system for the former Seaboard Chemical and Riverdale Drive Landfill Site (Site). A recommendation provided by the RMEE Report was to evaluate the shallow groundwater interactions within the Southern Intermittent Stream (SIS) Area.

The evaluation of the SIS Area, performed during the spring and summer of 2021, included an evaluation of the existing extraction system, contaminant source areas, and capacity of the current treatment system. The objective of the SIS evaluation was to determine if modifications to the existing extraction system could improve the removal of contaminant mass while maintaining operations to meet the requirements described in the Remedial Action Settlement Agreement (RASA). This evaluation included:

- Installation and sampling of additional assessment monitoring wells in the SIS basin area,
- Drawdown tests of the existing extraction wells in the area of the SIS basin, and
- Yield testing of select existing wells on the Seaboard property near the former Pond 3.

Based on this evaluation, modifications to the existing groundwater extraction treatment system were developed to improve the removal of contaminant mass from groundwater and further protect the surface water quality of the SIS and Randleman Lake as described in the RASA. The specific modifications, which were the basis for Technical Memorandum-11 (TM-11), included the following activities:

1.1 Former Pond 3 Area

A review of the annual water quality monitoring data indicated an area of high contaminant concentrations downgradient of the former Pond 3 at the Seaboard property. This pond was subject to RCRA closure in the late 1980s which included a final concrete cap (Figure 1).

Two wells near Pond 3 were considered for further evaluation as part of this effort. Water quality data collected from monitoring well PW-SF1 had reported significant concentrations of volatile organic compounds (VOCs) and 1,4-dioxane on a consistent basis. Also, when the SCC facility was in operation during the 1980s, well R-1 was operated as an extraction well on a limited basis. The location of these two wells is shown on Figures 1 through 3. A review of files on the NC DEQ website located a construction schematic for the former extraction well R-1. The well construction information for both R-1 and PW-SF1 is provided in Appendix A.

To assist in determining adequate treatment capacity, a yield test and sampling event were performed for wells R-1 (60' depth) and PW-SF1 (120' depth) on August 24, 2021. Pumping was gradually stepped up until the maximum volume of water could be extracted while maintaining a stable water level. It was determined that well R-1 would yield approximately 1-1.5 gpm and well PW-SF1 would yield approximately 6 gpm on a consistent basis.

1.2 SIS Basin Area

To further assess groundwater conditions and interactions between the shallow groundwater, landfill leachate and surface water at the SIS Basin Area, four additional monitoring wells were installed on March 19-20, 2021. Three of the wells were installed as Type II saprolite monitoring wells (AW-2, AW-3, and AW-4) while the fourth well was installed as a Type III bedrock well (AWB-4). These four new monitoring wells along with other wells in the SIS Basin Area were sampled to provide a snapshot of contaminant concentration in the shallow and deeper portions of the aquifer. The locations of the groundwater monitoring and extraction wells in the SIS Basin Area are shown on Figure 4.

In addition to the sampling and analysis of monitoring wells in the SIS basin Area, drawdown tests were conducted using existing extraction wells PW-DR1 and RW-SIS1. These tests were conducted independently in each extraction well after water levels had stabilized to non-pumping conditions. The approximate radius of influence for each of extraction well was then determined for the shallow and deeper groundwater aquifer.

The contaminant concentrations and observed radius of influence from the existing extraction and monitoring wells suggested that additional extraction of the shallow groundwater in the SIS basin area would be beneficial as required by the RASA. To improve capture, replacement of existing extraction well RW-SIS1 and one new proposed extraction well (RW-SIS7) were completed. The location and screened interval for the original RW-SIS1 well were believed to be ideal for extraction but yield tests indicated too low of yield. The replacement well was installed adjacent to the original well location and increased the screened interval, IE across the full thickness of the saprolite aquifer. The new extraction well RW-SIS7 and replacement well for RW-SIS1 (RW-SIS8) are installed on the opposite sides of the SIS basin. Both new extraction wells were installed to a depth of 50' and completed with a 6" diameter PVC casing and screened from 10' - 50'. The locations of the new extraction wells are shown on Figure 4 and Well Construction Records for the two new wells are provided in Appendix B.

2.0 TM-11 IMPLEMENTATION

The Parties submitted TM-11 to the NC DEQ on February 2, 2022, which was conditionally approved on February 18, 2022. A response to the conditions was submitted by the Parties to the NC DEQ in a letter dated February 24, 2022, which resulted in full approval on March 8, 2022. A summary of the field work completed during the implementation of TM-11 is provided below:

2.1 *Extraction Well Installations*

During March 2022, two new extraction wells were installed at the SIS Basin Area to provide for additional extraction in the saprolite/shallow bedrock zone.

- Groundwater extraction well RW-SIS7 was completed to a depth of 50' below land surface and screened from 10'-50'. This well produces approximately 4 - 7 gpm which creates a significant capture zone in the southern SIS Basin Area.
- Groundwater extraction well RW-SIS8 (replacement for RW-SIS1) was also completed to a depth of 50' below land surface and screened from 10'-50'. This extraction well is producing less than 1 gpm resulting in a drawdown of approximately 20' below static.

2.2 *Extraction Well Pump Installation and Performance*

The two new extraction wells at the SIS Basin Area (RW-SIS7 and RW-SIS8) and the two existing extraction wells at the Pond 3 Area (R-1 and PW-SF1) were equipped with QED AP4 pneumatic pumps in June 2022. These pumps are supplied with compressed air and are controlled by a float switch which actuates the pumping cycle. Following installation, extraction well yields were determined based on pump cycles as follows. The variability is a result of mechanical and environmental factors.

- RW-SIS7 4-7 gpm
- RW-SIS8 0.5-1 gpm
- R-1 0.5-1 gpm
- PW-SF1 4-5 gpm

3.0 FOURTH QUARTERLY ANALYTICAL RESULTS

The fourth quarterly groundwater monitoring event for the expanded extraction system was completed on July 6, 2023. The field parameter and groundwater elevations are summarized on the enclosed Table 1. A summary of the laboratory analytical results for the former Pond 3 and SIS Basin Areas is provided on the enclosed Table 2. The laboratory analytical report is included with this report in Appendix C. A summary of the fourth quarterly observations is provided below:

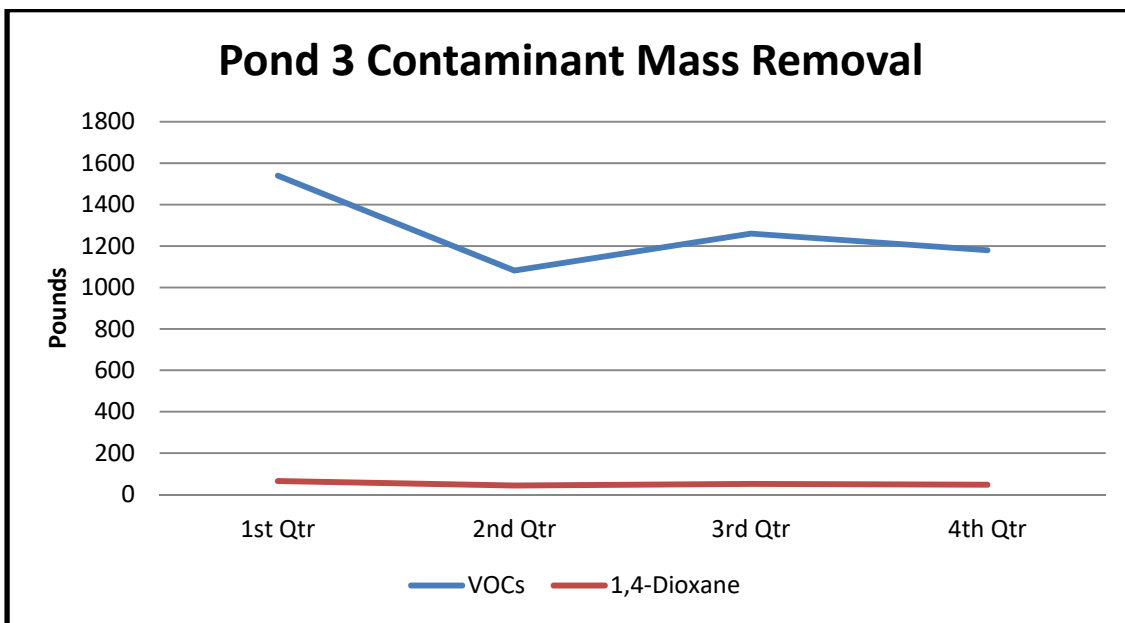
3.1 *Former Pond 3 Area*

The capture zone created by extraction wells R-1 and PW-SF1 (Figure 1) has remained consistent over the four quarterly monitoring events with only minor fluctuations. The drawdown created by the pumping of recovery wells R-1 and PW-SF1 is controlling groundwater flow on the eastern portion of the former Seaboard property. The operation of the groundwater extraction system at Pond 3 has dewatered the shallow aquifer above the bedrock zone as evident by dropping the groundwater level below the screened interval in monitoring wells MW-7A and W-12A. The groundwater extraction system has removed an average of 136,600 gallons/month over the past year at the Pond 3 Area.

The observed total VOC concentrations indicate a gradual decreasing contaminant trend over the four quarterly monitoring events as shown on Figure 2.

The 1,4-dioxane concentrations are shown on Figure 3. They indicate a stable and slightly decreasing contaminant trend. The highest concentration of 1,4-dioxane at the Pond 3 Area is present in monitoring well MW-7B. This well is located immediately downgradient of Pond 3 and is within the influence of the extraction system as noted by the dewatering of MW-7A, which is paired with MW-7B.

Over the initial year of operation, the extraction system at the Pond 3 Area (R-1 and PW-SF1) has removed 5,062 pounds of volatile organic compounds and 206 pounds of 1,4-dioxane. The following chart illustrates the mass removal over the 12-month evaluation period:

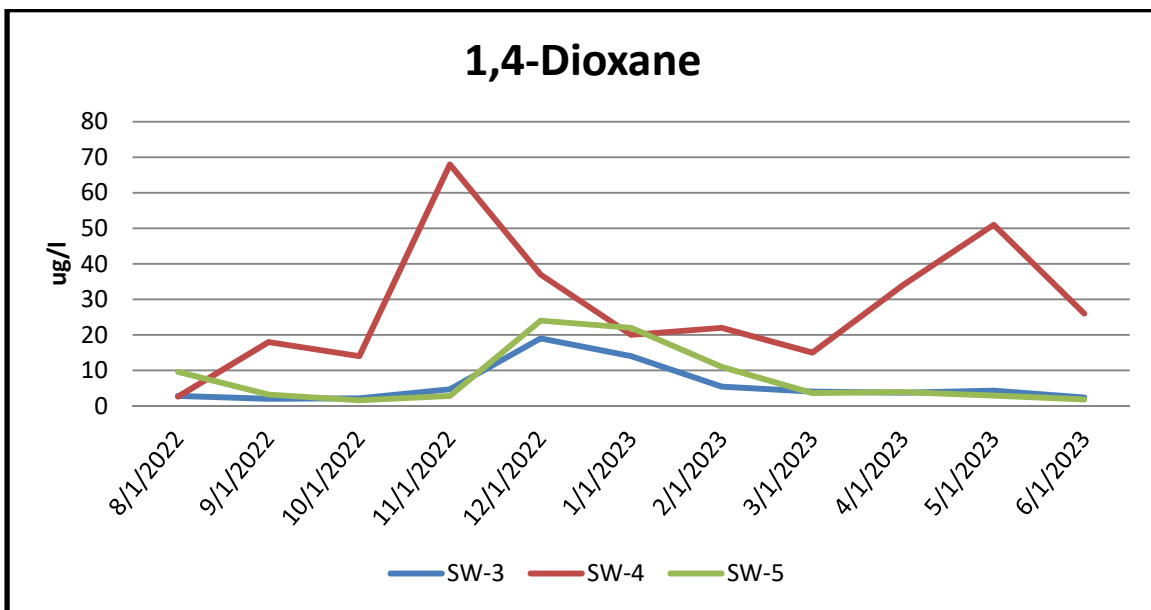


The continued operation of the extraction system at the Pond 3 Area is expected to have a beneficial effect on downgradient groundwater and surface water quality in the SIS drainage basin.

3.2 SIS Basin Area

The capture zone created by extraction wells RW-SIS7 and RW-SIS8 as shown on Figure 4 is consistent with the observations made during the previous quarterly events. The SIS Basin extraction system targets the saprolite/shallow bedrock aquifer (screened 20' – 50' bls) and has not shown significant influence from the deeper bedrock extraction well PW-DR1 (screened 40' – 185' bls) which is located approximately 40' north/northeast of RW-SIS8 (Figure 4). The groundwater extraction system at the SIS Basin Area has removed an average of 205,600 gallons/month over the past year.

The objective of the expanded extraction system at the SIS Basin Area is twofold; 1) improve surface water quality at the SW-4 location and, 2) reduce contaminant concentrations in well pair AW-3/AWB-4. Periodic surface water sampling of the SIS discharge has shown a significant improvement in water quality during operation of the expanded extraction system, as shown below:



SW-3: SIS Pipe Outfall to Basin
 SW-4: SIS Pipe Inlet
 SW-5: SIS Upstream

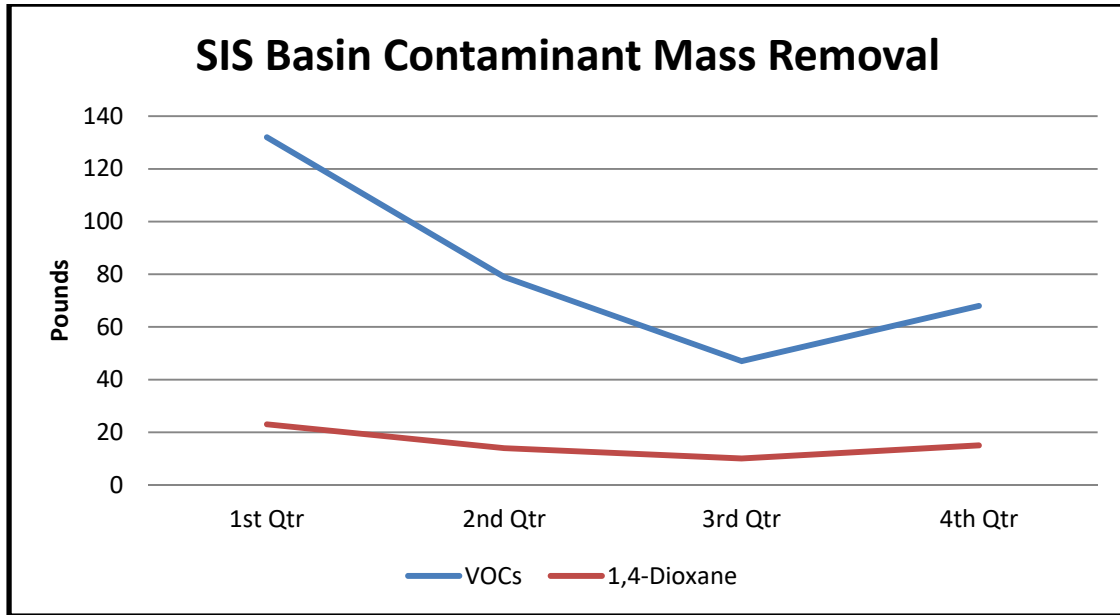
The contaminant “spikes” noted in the SW-4 sample results on 11/22 and 5/23 have been determined to represent inefficiencies in operation of the RW-SIS7 pump. The pump and discharge line in RW-SIS7 have been susceptible to iron fouling which limits the extraction rate. A routine monthly cleaning of this pump has been implemented to address the iron fouling. The contaminant spikes are indicative of needed maintenance which has also confirmed the benefit, at least initially, of including the new well into the collection system.

The operation of the expanded extraction system at the SIS Basin Area has created a capture zone which extends in a downgradient direction to include the AW-3/AWB-4 well pair. As shown on Figure 7, the operation of extraction well RW-SIS7 controls shallow groundwater flow in the SIS Basin. As further discussed below, this has resulted in a reduction in contaminant concentrations in the AW-3/AWB-4 well pair.

The total VOC and 1,4-dioxane analytical data trends at the SIS Basin Area show a stable to slightly decreasing level of contaminant concentrations (Figures 5 and 6). The observed total VOC and 1,4-dioxane concentrations in AW-3/AWB-4 well pair (Table 2) also indicate a slightly decreasing contaminant trend. Continued operation of the SIS Basin Area extraction

system should further reduce contaminant concentrations in these observation monitoring wells.

Over the initial year of operation, the extraction system at the SIS Basin Area has removed 328 pounds of volatile organic compounds and 62 pounds of 1,4-dioxane. The following chart illustrates the mass removal over the 12-month evaluation period:



4.0 QUARTERLY REPORT SUMMARIES

For reference, a summary of the observations from each the four quarterly monitoring events conducted during the extraction system evaluation process is provided below:

- First Quarterly Report Findings - July 2022 through September 2022:
 - The distribution of VOCs and 1,4-dioxane at the Pond 3 Area noted during the first quarter is centered along the north/northeast trending mafic dike. The effectiveness of the extraction system is evident from the increased contaminant concentration in R-1, PW-SF1, and OW-SF1.
 - The distribution of VOCs and 1,4-dioxane at the SIS Basin Area during the first quarter had shown an increase in contaminant concentrations when compared to the baseline sampling primarily due to the operation of RW-SIS7.
- Second Quarterly Report Findings - October 2022 through December 2022:
 - The observed VOC and 1,4-dioxane analytical results during the second quarter indicated an overall reduction in contaminant concentrations as compared to the first quarterly monitoring event. This reduction is likely a result of dewatering of the bedrock aquifer and interception of recharge from the contaminant source by the extraction system.
 - The observed VOC and 1,4-dioxane analytical results during the second quarter at the SIS Basin also indicates an overall reduction in contaminant concentrations as compared to the first quarterly monitoring event. This reduction is likely a result of dewatering of the SIS Basin area as noted from a lowering of the static surface water level at the outlet of the SIS Pipe.
- Third Quarterly Report Findings - January 2023 through March 2023:
 - The observed total volatile organic compound analytical results during the third quarter indicated an overall reduction in contaminant concentrations as compared to the second quarterly monitoring event. The 1,4-dioxane concentrations observed during the third quarter indicated a slight decreasing trend in the two extraction wells (PW-SF1 and R-1) with an increasing trend in adjacent observation wells MW-7B and OW-SF1.

- The total VOC and 1,4-dioxane analytical results at the SIS Basin area during the third quarter suggests a stable to slightly decreasing level of contaminant concentrations. The observed total VOC and 1,4-dioxane concentrations in AW-3/AWB-4 well pair, near the outlet to the SIS Basin, indicated a slightly decreasing contaminant trend.
- Fourth Quarterly Report – April 2023 through June 2023:
 - The observed total volatile organic compound concentrations during the fourth quarter indicated a gradual decreasing contaminant trend over the four quarterly monitoring events. The 1,4-dioxane concentrations during the fourth quarter indicated a stable and slightly decreasing contaminant trend.
 - The total VOC and 1,4-dioxane analytical data trends during the fourth quarter at the SIS Basin Area show a stable to slightly decreasing level of contaminant concentrations. The observed total VOC and 1,4-dioxane concentrations in AW-3/AWB-4 well pair, located near the outlet of the SIS Basin, also indicate a slightly decreasing contaminant trend.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The objective of TM-11 was to evaluate modifications to the existing groundwater extraction treatment system to improve the removal of contaminant mass from groundwater and further protect the surface water quality of the SIS and Randleman Lake as described in the RASA. The initial year of operation of the expanded extraction system has shown progress to that objective as noted below:

- The operation of the expanded groundwater extraction system outlined in TM-11 has resulted in the removal and treatment of 5,658 pounds of VOCs and 1,4-dioxane over the initial year of operation.
- The extraction system at the Pond 3 Area is controlling groundwater flow in the shallow and deeper bedrock zones as well as the mafic dike structure which serves as a primary contaminant migration pathway.
- Long-term operation of the Pond 3 extraction system is expected to continue to improve the groundwater and surface water quality of the SIS drainage basin.
- The expanded extraction system at the SIS Basin Area is creating a capture zone which controls groundwater flow in the saprolite and shallow bedrock zone.
- The expanded groundwater capture zone at the SIS Basin has resulted in a reduction in contaminant concentrations in downgradient groundwater monitoring well pair AW-3/AWB-4.
- The expanded groundwater capture zone at the SIS Basin also appears to limit groundwater discharge and improve surface water quality at the SW-4 monitoring location.

Continued operation of the expanded extraction system as outlined in TM-11 is recommended to further reduce contaminant concentrations in groundwater at the Pond 3 and SIS Basin Areas.

To provide for continued monitoring of the effectiveness of the expanded extraction system, the following quarterly monitoring program is recommended:

- On a quarterly basis, collect surface water samples from the two on-site drainage features. The recommended sampling includes: SW-1, SW-2, SW-3, SW-4, and SW-5. This recommendation was also included in the First Five Year Review Report. The samples should be analyzed for VOCs by EPA Method 8260D and 1,4-dioxane by EPA Method 8260D SIM.
- Also on a quarterly basis, collect groundwater samples from monitoring wells AW-3 and AWB-4. These samples will be collected using low-flow methodology and analyzed for VOCs by EPA Method 8260D and 1,4-dioxane by EPA Method 8260D SIM.
- Groundwater elevations from the Pond 3 and SIS Basin Areas will be collected during the quarterly sampling events to verify continuity of the capture zones.

This recommended quarterly monitoring program will be implemented beginning with the 2023 fourth quarterly monitoring (December 2023). The results of these monitoring activities will be reported with the routine Quarterly Progress Reports.

FIGURES

Pond 3 Potentiometric Map

Pond 3 VOC Concentrations

Pond 3 1,4-Dioxane Concentrations

SIS Basin Potentiometric Map

SIS Basin VOC Concentrations

SIS Basin 1,4-Dioxane Concentrations

SIS Basin Groundwater Drawdown Cross-Section

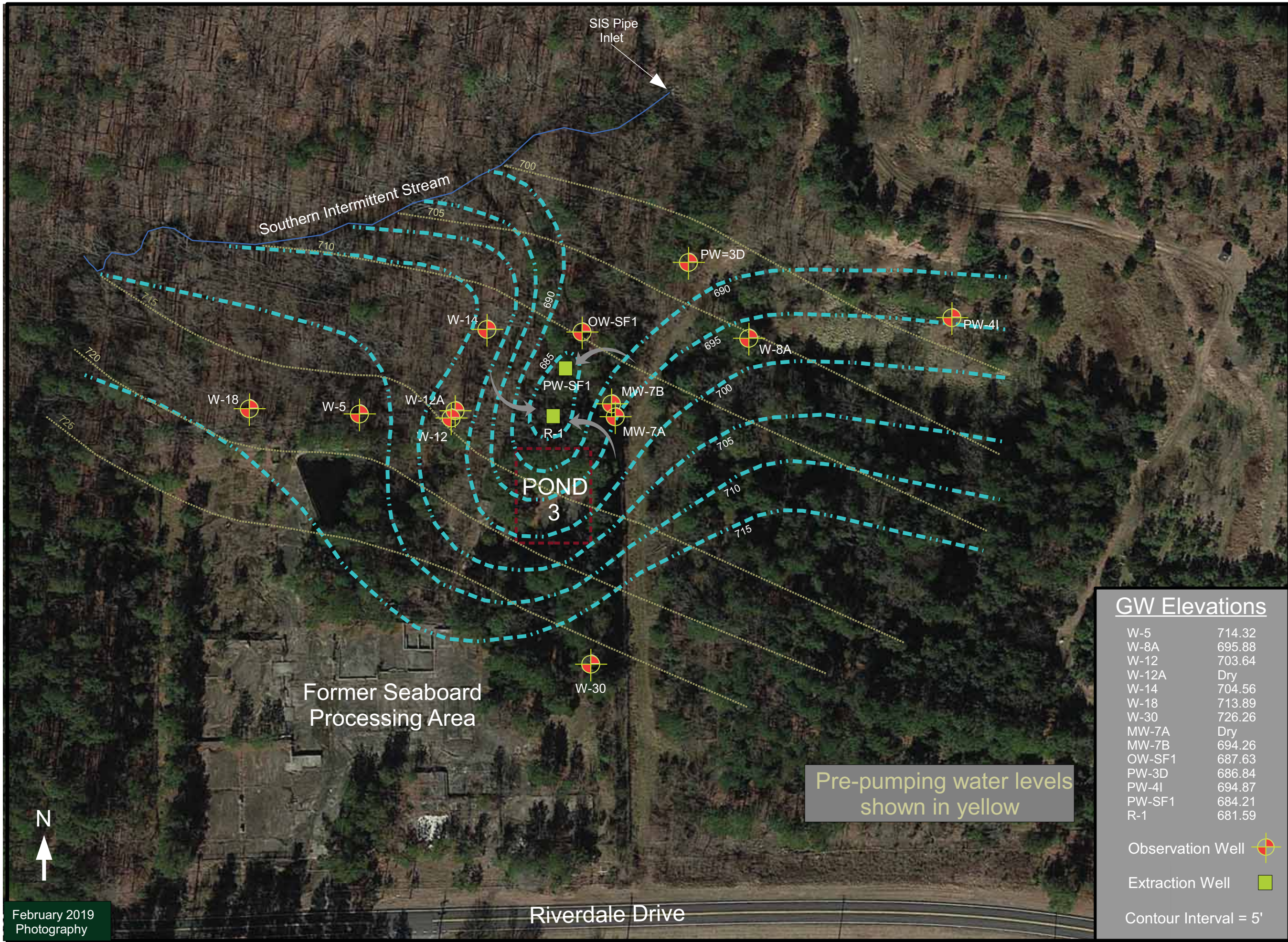


Figure 1

Figure 1

July 5, 2023 Groundwater Potentiometric Map – Pond 3 Area
Former Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, Guilford County, North Carolina

Babb & Associates, P.A.

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

Scale: 1"=88'

Prep. By: G. Babb

Rev. By: G. Babb

Date: July 5, 2023

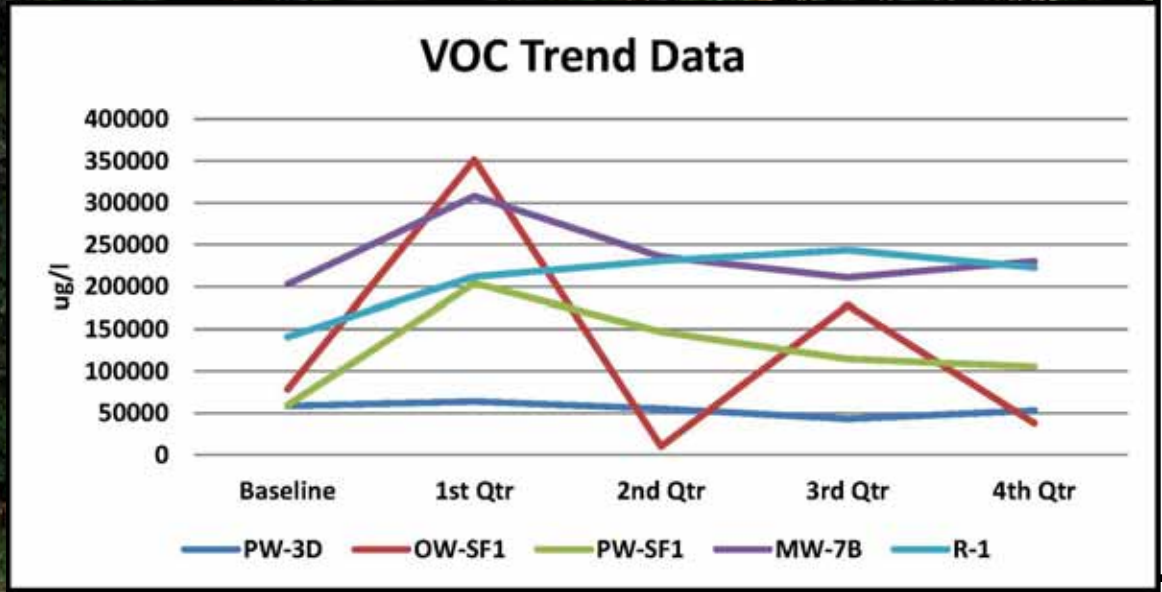
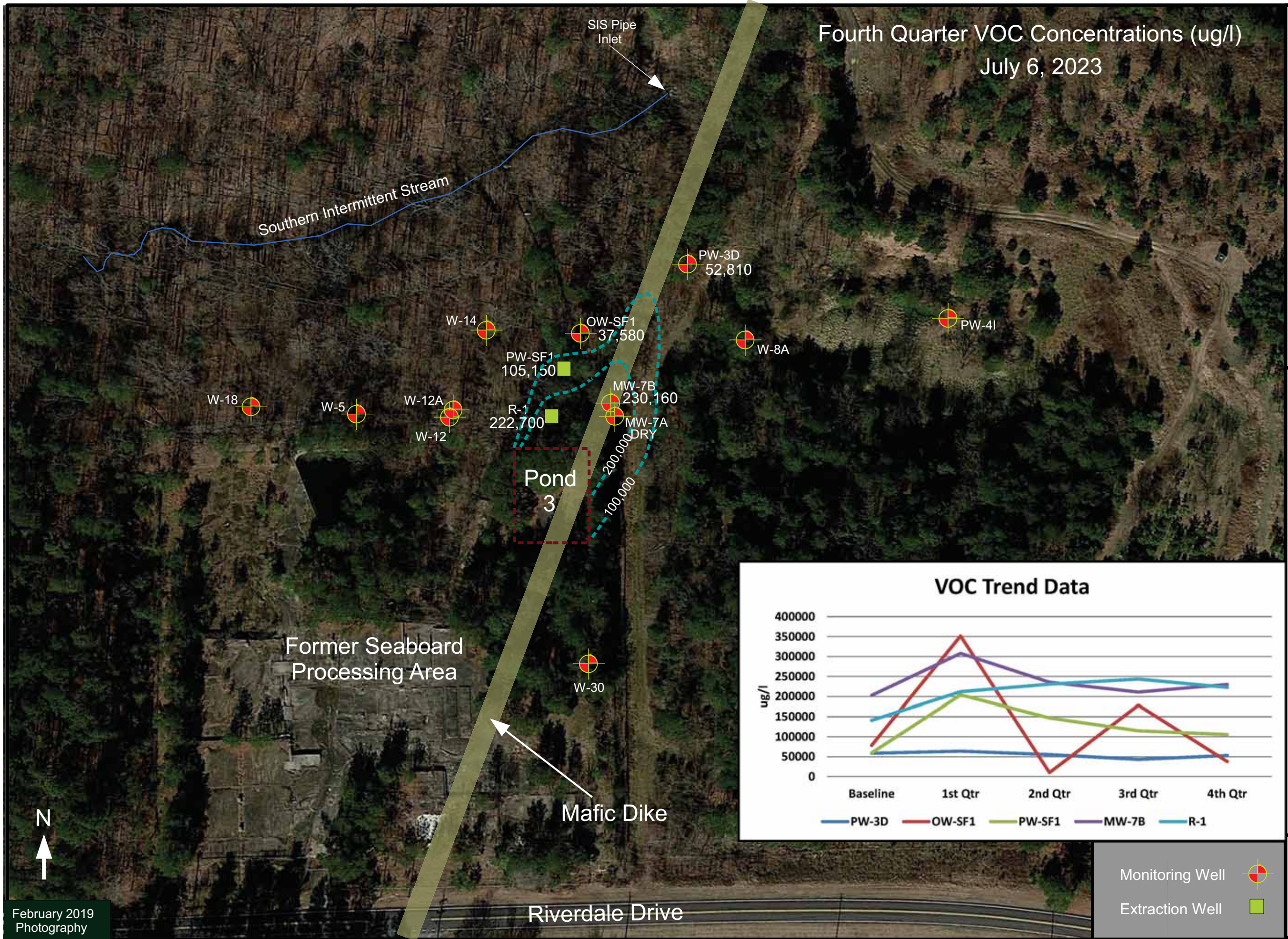
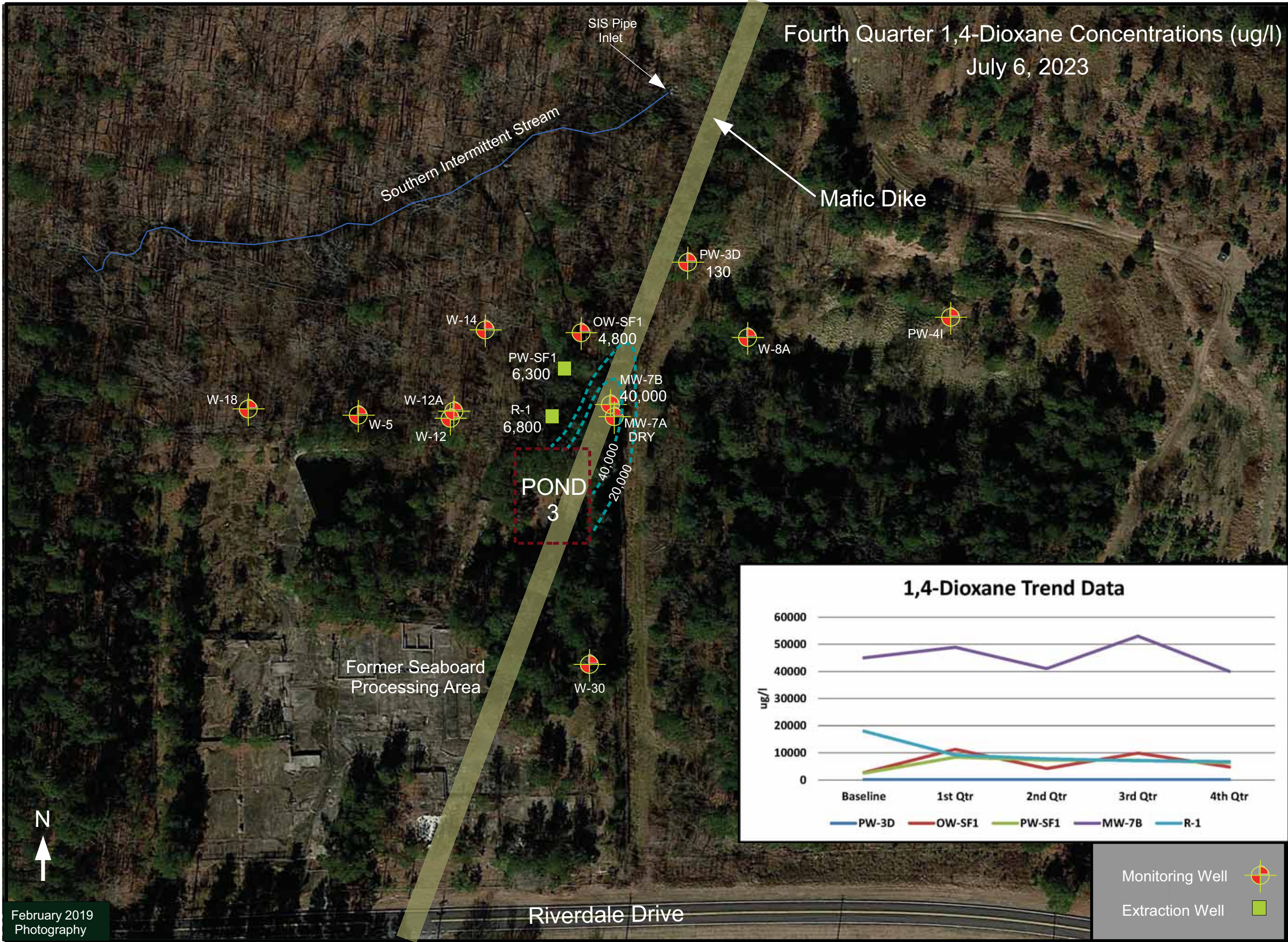


Figure 2 July 6, 2023 VOC Concentrations – Pond 3 Area Former Seaboard Chemical/Riverdale Drive Landfill Site Jamestown, Guilford County, North Carolina	Babb & Associates, P.A. 5506 Bradford Pear Court Raleigh, North Carolina 27606 (919) 605-4719	
	Rev. By: G. Babb	Date: July 6, 2023
Scale: 1"=88'	Prep. By: G. Babb	
Figure 2		



Babb & Associates, P.A. 5506 Bradford Pear Court Raleigh, North Carolina 27606 (919) 605-4719	Rev. By: G. Babb	Date: July 6, 2023
	Prep. By: G. Babb	Scale: 1"=88'
Figure 3 July 6, 2023 1,4-Dioxane Concentrations – Pond 3 Area Former Seaboard Chemical/Riverdale Drive Landfill Site Jamestown, Guilford County, North Carolina		
Figure 3		



GW Elevations	
MW-3C	677.82
AW-2	672.49
AW-3	682.41
AW-4	683.02
AWB-4	680.91
OW-SIS1	669.07
OW-DR1	679.31
OW-DR2	679.52
OW-DR4	679.67
PW-DR1	639.67
RW-SIS1	664.17
RW-SIS7	659.29
RW-SIS8	649.22
Observation Well	
Extraction Well	
Contour Interval = 10'	

Figure 4

July 5, 2023 Groundwater Potentiometric Map – SIS Basin Area
Former Seaboard Chemical/Riverdale Drive Landfill Site
Jamestown, Guilford County, North Carolina

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(919) 605-4719

Rev. By: G. Babb
Date: July 5, 2023

Scale: 1"=50'

Figure 4

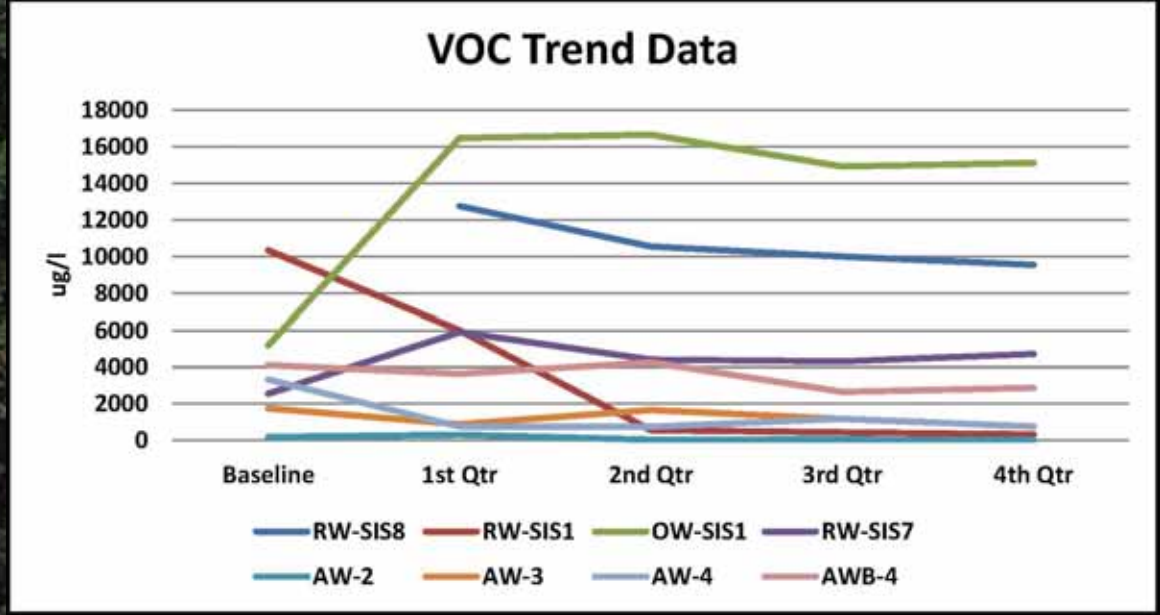
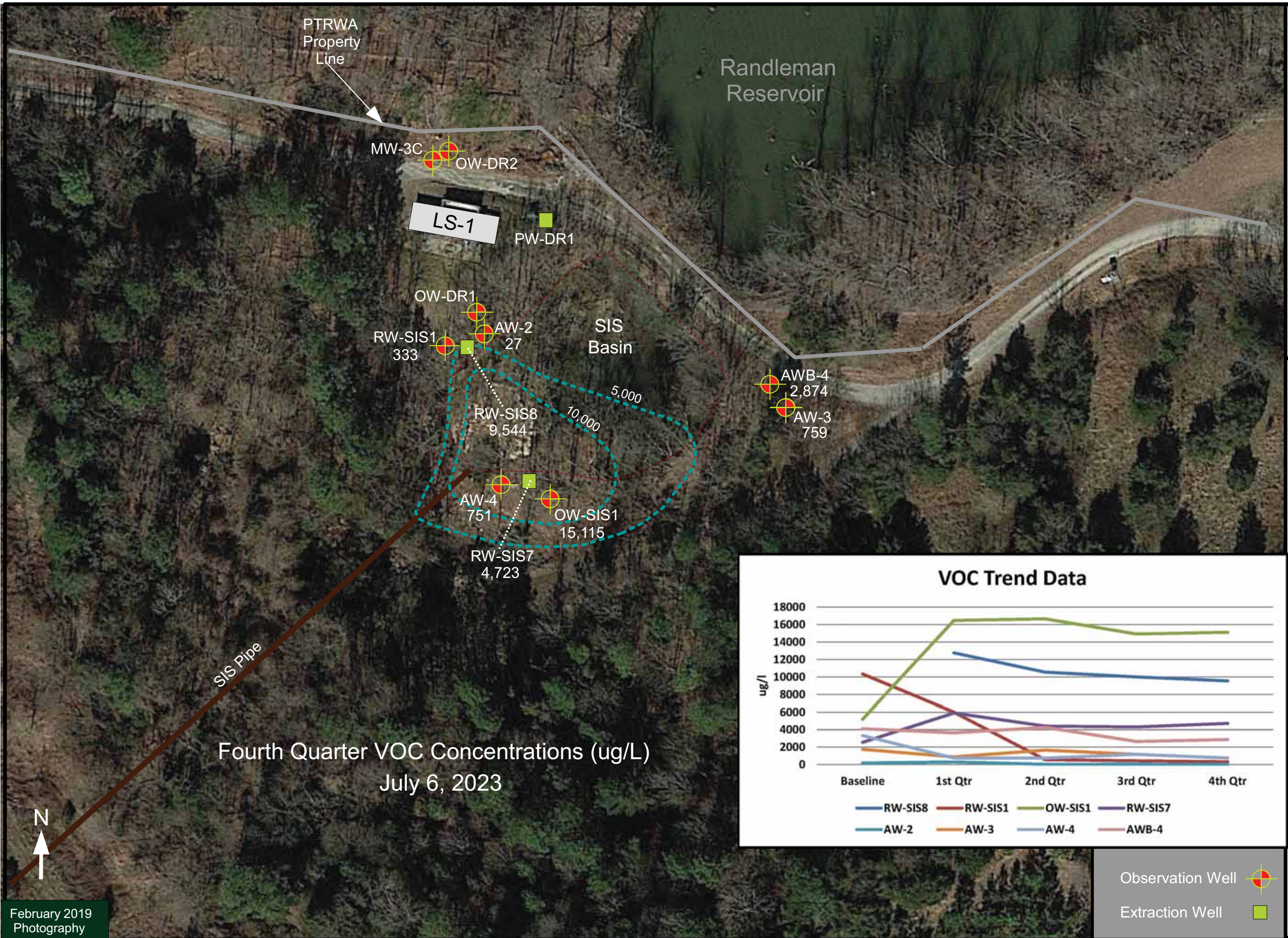


Figure 5 July 6, 2023 VOC Data Map – SIS Basin Area Former Seaboard Chemical/Riverdale Drive Landfill Site Jamestown, Guilford County, North Carolina	Babb & Associates, P.A. 5506 Bradford Pear Court Raleigh, North Carolina 27606 (919) 605-4719	
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Figure 5

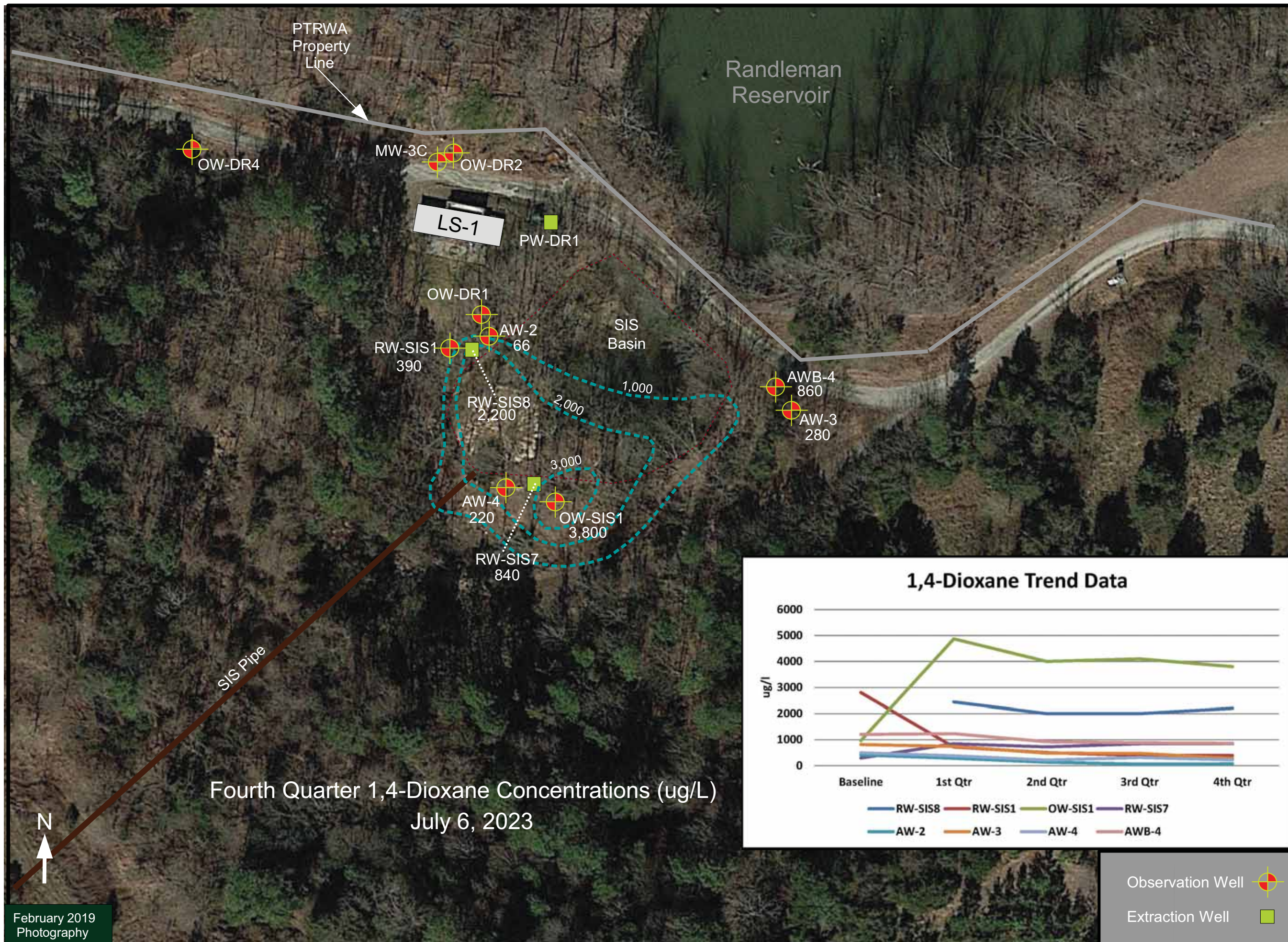
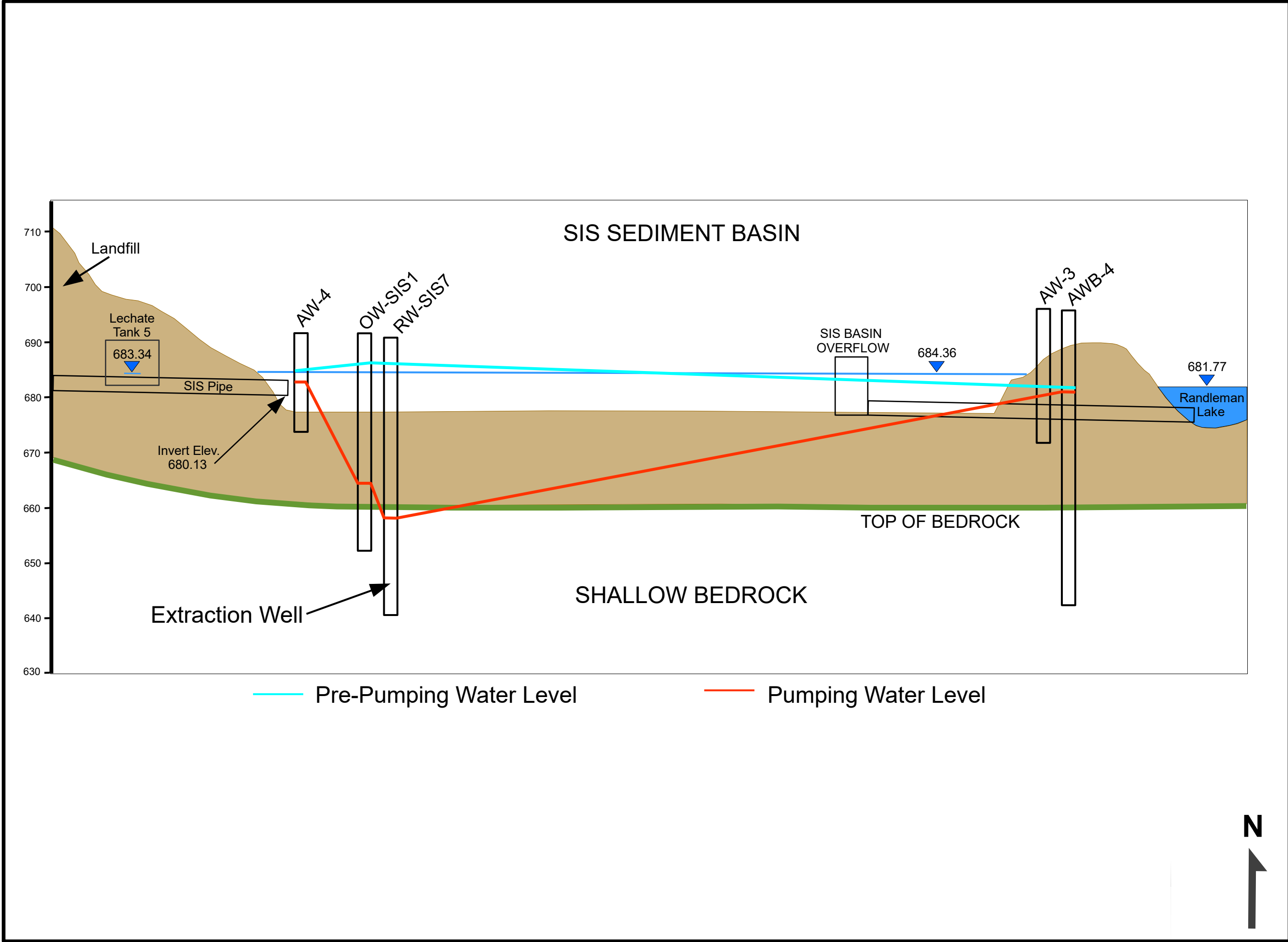


Figure 6 July 6, 2023 1,4-Dioxane Data Map – SIS Basin Area Former Seaboard Chemical/Riverdale Drive Landfill Site Jamestown, Guilford County, North Carolina	Babb & Associates, P.A. 5506 Bradford Pear Court Raleigh, North Carolina 27606 (919) 605-4719	
	Rev. By: G. Babb	Date: July 6, 2023
Scale: 1"=50'	Prep. By: G. Babb	
Figure 6		



— Pre-Pumping Water Level — Pumping Water Level



Figure 7	Babb & Associates, P.A. 5506 Bradford Pear Court Raleigh, North Carolina 27606 (919) 605-4719	
	July 5, 2023 - SIS Basin Groundwater Drawdown Cross-Section Former Seaboard Chemical/Riverdale Drive Landfill Site Jamestown, Guilford County, North Carolina	Rev. By: G. Babb
	Scale: 1"=40'	Date: July 5, 2023
Figure 7		

TABLES

Field Date and Groundwater Elevations
Groundwater VOC/1,4-Dioxane Lab Results

TABLE 1
EXTRACTION SYSTEM EVALUATION - FIELD DATA AND GROUNDWATER ELEVATIONS
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Well ID	pH					Specific Conductance (um/cm)					Temperature (°C)					Dissolved Oxygen (mg/l)				
	3/22	11/22	1/23	4/23	4th	3/22	11/22	1/23	4/23	4th	3/22	11/22	1/23	4/23	4th	3/22	11/22	1/23	4/23	4th
AW-2	7.9	6.7	5.8	8.9	6.5	796	799	1,042	731	641	16.4	12.7	14.1	13.9	24.2	1.1	2.8	4	2.4	4.6
AW-3	6.6	6.5	8.0	7.9	7.0	1,805	1,960	1,678	1,521	1,698	16.1	12.9	15.6	20.1	24.9	2.3	2.2	2.7	2.6	2.8
AW-4	7.0	6.7	6.7	8.0	7.7	1,738	978	1,178	872	810	15.4	10.9	12.6	20.1	23.1	2.8	3.2	2.8	3.8	2.8
AWB-4	6.5	6.2	6.1	7.5	7.3	2,110	2,490	2,380	2,456	2,960	17.2	11.8	14.2	21.1	26.0	1.5	2.9	2.7	2.6	2.2
OW-SIS1	8.0	6.1	5.9	7.0	6.3	1,621	1,689	1,627	2,018	1,624	16.8	10.1	13.3	22.9	25.9	8.4	2.2	2.9	2.5	2.7
RW-SIS1	6.8	6.5	6.5	7.6	6.8	1,805	1,388	1,275	1,009	1,272	16.7	11.9	16.5	23.9	24.2	1.3	2.1	2.4	2.3	2.9
MW-7A	7.9	DRY	DRY	DRY	DRY	4,140	DRY	DRY	DRY	DRY	15.4	DRY	DRY	DRY	DRY	4.7	DRY	DRY	DRY	DRY
MW-7B	7.2	5.9	5.8	6.7	5.6	4,406	4,230	4,130	3,816	3,470	14.9	14.4	15.5	23.1	24.1	8.5	2.2	1.9	2.4	2.0
OW-SF1	8.1	6.4	7.4	7.1	6.5	1,445	2,460	979	2,018	1,040	12.0	10.4	15.2	23.8	21.2	6.4	3.2	2.4	2.5	3.1
PW-3D	10.4	8.0	7.8	8.6	7.4	473	483	472	438	421	15.6	13.6	15.3	22.2	24.1	1.0	2.6	2.4	2.6	2.5

Well ID	Ground Surface Elevation	Top of Casing Elevation	3/22/2022		10/13/2022		1/17/2023		4/6/2023		4th Quarter		Latitude Decimal Degrees	Longitude Decimal Degrees	Screened Interval Depth BLS
			DGW	Elev.	DGW	Elev.	DGW	Elev.	DGW	Elev.	DGW	Elev.			
AW-2	693.84	696.70	15.10	681.60	23.88	672.82	23.22	673.48	23.73	672.97	24.21	672.49	35.9478944	-79.9075959	15' - 25'
AW-3	693.85	696.68	11.79	684.89	14.17	682.51	12.86	683.82	13.74	682.94	14.27	682.41	35.9477769	-79.9070208	15' - 25'
AW-4	688.95	691.88	6.03	685.85	8.86	683.02	6.89	684.99	7.70	684.18	8.86	683.02	35.9476330	-79.9074714	8' - 18'
AWB-4	693.40	696.29	12.72	683.57	14.78	681.51	13.71	682.58	14.78	681.51	15.38	680.91	35.9478001	-79.9070294	45' - 55'
OW-DR1	694.26	696.43	16.94	679.49	17.86	679.49	16.74	679.69	17.08	679.35	17.12	679.31	35.9479216	-79.9075658	49' - 165'
OW-SIS1	689.55	691.66	5.47	686.19	14.08	677.58	10.52	681.14	18.76	672.9	22.59	669.07	35.9476413	-79.9074278	20' - 39'
RW-SIS1	694.10	692.89	12.24	680.65	27.42	665.47	27.14	665.75	27.42	665.47	28.72	664.17	35.9478681	-79.9076277	30' - 50'
MW-7A	738.49	740.72	29.94	710.78	DRY		DRY		DRY		DRY		35.9459256	-79.9096397	15' - 35'
MW-7B	738.24	739.95	31.85	708.10	43.76	696.19	50.32	689.63	47.61	692.34	45.69	694.26	35.9459560	-79.9096443	58' - 68'
OW-SF1	730.13	732.15	24.48	707.67	36.63	695.52	52.29	679.86	48.62	683.53	44.52	687.63	35.9461601	-79.9097469	95' - 120'
PW-3D	737.63	738.60	50.62	687.98	52.45	686.15	53.79	684.81	51.33	687.27	51.76	686.84	35.9463539	-79.9093785	180' - 210'
PW-4I	732.04	737.59	38.05	699.54	42.60	694.99	42.05	695.54	41.36	696.23	42.72	694.87	35.9462036	-79.9084699	112' - 122'
W-5	749.57	751.03	32.58	718.45	37.69	713.34	37.18	713.85	36.48	714.55	36.71	714.32	35.9459305	-79.9105063	50' - 60'
W-12	732.82	734.85	20.56	714.29	31.19	703.66	33.63	701.22	32.25	702.6	31.21	703.64	35.9459302	-79.9101896	50' - 60'
W-12A	732.47	734.79	21.11	713.68	DRY		DRY		DRY		DRY		35.9459467	-79.9101835	10' - 25'
W-14	720.26	722.85	9.99	712.86	19.52	703.33	16.55	706.30	15.15	707.7	18.29	704.56	35.9461682	-79.9100746	8' - 23'
W-18	749.99	752.75	36.99	715.76	39.69	713.06	38.07	714.68	38.23	714.52	38.86	713.89	35.9459522	-79.9108839	32' - 42'
W-30	759.92	759.69	33.22	726.47	35.19	724.50	35.52	724.17	33.24	726.45	33.43	726.26	35.9452315	-79.9097214	38' - 53'

TABLE 2
EXTRACTION SYSTEM EVALUATION - GROUNDWATER VOC AND 1,4-DIOXANE ANALYTICAL RESULTS
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	VOLATILE ORGANIC COMPOUNDS AND 1,4-DIOXANE (ug/L)																								
		*Total VOCs	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethane	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
NC 2L Standard		NE	200	0.6	6	350	0.4	0.6	3	6000	1	0.3	50	3,000	70	3	70	600	5	0.7	600	100	3	0.03	500	-
AW-2																										
Historical	3/25/2021	66	<1	<1	1.4	<1	<1	<1	60	21	0.84J	<1	24	13	4.4	<1	1.1	<1	<1	<1	0.57J	<1	<1	<1	<3	ND
Historical	4/7/2021	28	<1	<1	0.98J	<1	<1	<1	52	<20	<1	<1	16	8.7	<1	<1	1.1	<1	<1	<1	<1	<1	<1	1.5	<3	ND
Background	3/22/2022	185	<1	<1	2.2	<1	<1	<1	410	<20	2.6	<1	86	86	<1	<1	3.2	<1	<1	<1	0.94J	0.61J	<1	5.5	<3	4.0
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	309	<1	<1	1.9	<1	<1	<1	282 ^{RS}	<10	<1	<1	6.4	300	<1	<1	0.77J	<1	<1	<1	<1	<1	<1	<1	<1	3.1J
2nd Quarter	1/5/2023	40	<1	<1	1	<1	<1	<1	130	<10	<1	<1	1.5	36	<1	<1	0.62 J	<1	<1	<1	<1	<1	<1	<1	<1	1.1
3rd Quarter	4/6/2023	52	<1	<1	<1	<1	<1	<1	55	<10	<1	<1	4.1	48*+	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	<1	ND
4th Quarter	7/6/2023	27	<1	<1	0.23 J	<1	<1	<1	66	<20	<1	<1	7.3	19	<1	<1	0.40 J	<1	<1	<1	<1	<1	<1	<1	<2	0.51 J
AW-3																										
Historical	3/25/2021	1,192	<1	<1	130	<1	<1	<1	480	<20	14	<1	800	110	8.8	<1	53	<1	<1	<1	<1	<1	<1	76	<3	ND
Historical	4/7/2021	1,402	<1	<1	150	6.5	<1	<1	520	<20	<1		1,000	100	<1	<1	55	<1	<1	<1	<1	<1	<1	90	<3	ND
Background	3/22/2022	1,754	<20	<20	250	20	<20	<20	810	<400	<20	<20	1,100	65	<20	<20	130	<20	<20	<20	<20	<20	<20	170	<60	19
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	879	<5	<5	97	6	<5	<5	739 ^{RS}	<50	6.3	<5	630	39*+	<5	<5	47	<5	<5	<5	<5	<5	<5	54	<5	7.5 J
2nd Quarter	1/5/2023	1,660	<20	<20	180	15 J	<20	<20	480	<200	9.8 J	<20	1,200	21	<20	<20	96	<20	<20	<20	<20	<20	<20	130	<20	8.5 J
3rd Quarter	4/6/2023	1,175	<20	<20	170	8.8 J	<20	<20	470	<200	8.2 J	<20	830	<20	<20	<20	76	<20	<20	<20	<20	<20	<20	82	<20	ND
4th Quarter	7/6/2023	759	<10	<10	78	5.9 J	<10	<10	280	<200	7.2 J	<10	580	<10	<10	<10	46	<10	<10	<10	<10	<10	<10	41	1.2 JB	ND
AW-4																										
Historical	3/25/2021	3,578	260	2.2	860	290	71	<1	550	<20	13	<1	<1	62	<1	<1	1,200	5	0.85J	5	18	<1	<1	760	19	11.5
Historical	4/7/2021	3,763	170	<1	560	190	47	<1	390	<20	13	<1	1,400	94	<1	<1	690	7.7	<1	<1	17	10	<1	530	20	14
Background	3/22/2022	3,330	200	<20	500	200	60	<20	490	<400	<20	<20	1,000	30	<20	<20	780	<20	<20	<20	12J	<20	<20	540	8.4J	ND
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	1,432	<10	<10	31	<10	<10	<10	378 ^{RS}	<100	11	<10	700	300	<10	<10	3.3J	<10	<10	<10	4.4J	<10	<10	<10	4.2J	ND
2nd Quarter	1/5/2023	743	<10	<10	46	<10	<10	<10	210	<100	9.1 J	<10	550	76	<10	<10	25	<10	<10	<10	<10	<10	<10	37	<10	ND
3rd Quarter	4/6/2023	1,187	<10	<10	160	20	7.6 J	<10	310	<100	6.1 J	<10	440	280*+	<10	<10	130	<10	<10	<10	<10	<10	2.8 J	140	<10	ND
4th Quarter	7/6/2023	751	<10	<10	42	<10	<10	<10	220	<200	7.6 J	<10	490	140	<10	<10	30	<10	<10	<10	3.1 J	<10	<10	32	6.0 J	ND
AWB-4																										
Historical	3/25/2021	4,860	<1	<1	860	<1	220	<1	1,200	<20	<1	<1	3,200	<1	<1	<1	180	<1	<1	<1	<1	<1	<1	400	<3	ND
Historical	4/7/2021	3,730	<1	<1	720	<1	160	<1	1,100	<20	<1	<1	2,300	110	<1	<1	130	<1	<1	<1	<1	<1	<1	310	<3	ND
Background	3/22/2022	4,119	<50	<50	550	21J	120	<50	1,200	<1000	<50	<50	3,000	48	<50	<50	150	<50	<50	<50	<50	<50	<50	230	<150	ND
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	3,632	<25	<25	490	11J	170	<25	1,230 ^{RS}	<250	35	<25	2,700	<25	<25	<25	86	<25	<25	<25	<25	<25	<25	140	<25	ND
2nd Quarter	1/5/2023	4,271	<50	<50	450	<50	130	<50	920	<50	33 J	<50	3,300	78	<50	<50	90	<50	<50	<50	<50	<50	<50	190	<50	ND
3rd Quarter	4/6/2023	2,653	<10	<10	310	<10	130	<10	880	<100	<10	<10	2,100	<10	<10	<10	39 J	<10	<10	<10	<10	<10	<10	74	<10	ND
4th Quarter	7/6/2023	2,874	<50	<50	300	<50	130	<50	860	<1000	<50	<50	2,300	<50	<50	<50	60	<50	<50	<50	<50	<50	<50	77	6.8 JB	ND

* Total VOCs does not include 1,4-Dixone concentration

TABLE 2
EXTRACTION SYSTEM EVALUATION - GROUNDWATER VOC AND 1,4-DIOXANE ANALYTICAL RESULTS
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

Sample I.D.	Sample Date	*Total VOCs	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
NC 2L Standard		NE	200	0.6	6	350	0.4	0.6	3	6000	1	0.3	50	3,000	70	3	70	600	5	0.7	600	100	3	0.03	500	-
OW-SIS1																										
Historical	3/25/2021	4,347	14	1.6	2,100	320	120	<1	1,600	<20	19	<1	<1	190	<1	<1	1,500	0.6J	6.4	9.8	16	<1	14	<1	24	12.0
Historical	4/7/2021	9,429	<1	<1	2,300	330	140	<1	1,200	<20	<1	<1	2,900	200	<1	<1	1,500	<1	<1	<1	36	<1	23	2,000	<3	ND
Background	3/22/2022	5,197	<100	<100	1,100	230	97	<100	960	<2000	<100	<100	1,700	<100	<100	<100	1,100	<100	<100	<100	<100	<100	<100	970	<300	ND
	6/30/2022	Extraction Wells Online																		<100						
1st Quarter	9/27/2022	21,346	32J	<50	2,700	290	100	<50	4,870 ^{RS}	<500	58	<50	8,100	690	<50	<50	1,400	<50	<50	<50	26J	<50	18J	2,500	18J	544
2nd Quarter	1/5/2023	16,658	<200	<200	2,100	300	<200	<200	4,000	<200	<200	<200	9,500	470	<200	<200	1,500	<200	88 J	<200	<200	<200	<200	2,700	<200	ND
3rd Quarter	4/6/2023	14,920	<200	<200	2,100	390	130 J	<200	4,100	<2000	<200	<200	6,700	<200	<200	1300 *+	2,000	<200	<200	<200	100 J	<200	<200	2,200	<200	ND
4th Quarter	7/6/2023	15,115	180	<100	2,300	560	140	<100	3,800	<2000	<100	<100	7,200	330	<100	<100	2,000	<100	<100	<100	35 J	<100	<100	2,300	19 JB	51 J
RW-SIS1																										
Historical	7/23/2020	11,461	170	<50	1,700	260	64	<50	3,200	<500	40	<50	5,800	300	<50	<50	1,100	<50	<50	<50	27	<50	<50	2,000	<150	ND
Historical	3/23/2021	7,428	120	<1	1,000	160	<1	<1	2,500	<20	27	<1	3,800	190	0.49J	<1	830	1.5	6.2	4	16	4.7	7.4	1,200	17	43.3
Historical	4/8/2021	7,800	140	<50	1,200	180	62	<50	2,800	<1000	<50	<50	3,700	190	<50	<50	1,000	<50	<50	<50	<50	<50	<50	1,300	<150	28.0
Background	3/22/2022	10,344	340	<100	1,300	330	74 J	<100	2,800	<2000	<100	<100	4,900	200	<100	<100	1,600	<100	<100	<100	<100	<100	<100	1,600	<300	ND
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	Not sampled for VOCs due to sampling error							714 ^{RS}																	
2nd Quarter	1/5/2023	562	<10	<10	12	<10	<10	<10	500	<100	<10	<10	430	100	<10	<10	11	<10	<10	<10	<10	<10	<10	8.5 J	<10	ND
3rd Quarter	4/6/2023	440	<10	<10	7.3 J	<10	<10	<10	390	<100	<10	<10	270	<10	<10	160 *+	2.5 J	<10	<10	<10	<10	<10	<10	<10	<10	ND
4th Quarter	7/6/2023	333	<10	<10	<10	<10	<10	<10	390	<200	<10	<10	280	<10	<10	46	6.8 J	<10	<10	<10	<10	<10	<10	<10	<10	ND
MW-7A																										
Background	3/22/2022	428,900	10,000	<500	38,000	17,000	7,000	<500	35,000	72,000	<500	<500	41,000	3,700	<500	<500	57,000	900	53,000	2,300	13,000	<500	<500	44,000	4,900	65,100
	6/30/2022	Extraction Wells Online																								
1st Quarter	DRY																									
2nd Quarter	DRY																									
3rd Quarter	DRY																									
4th Quarter	DRY																									
MW-7B																										
Historical	3/3/2009	215,424	2,630	<100	25,800	10,100	9,760	<100	28,900	12,000	<100	<100	39,500	2,450	<100	<100	36,100	181	48,100	522	6,020	<100	251	15,800	1,740	4,470
Background	3/22/2022	202,680	3,000	<500	19,000	6,800	5,900	<500	45,000	5,600	<500	<500	40,000	6,200	<500	<500	24,000	380	52,000	1,500	8,500	<500	<500	22,000	2,400	5,400
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	308,024	5,500	<200	32,000	12,000	7,300	<200	48,900 ^{RS}	17,000	430	<200	35,000	19,000	<200	<200	32,000	300	51,000	6,400	12,000	<200	1,200	34,000	2,300	40,594
2nd Quarter	1/5/2023	235,680	3,500	<500	22,000	8,000	4,200	<500	41,000	7100 J	410 J	<500	47,000	13,000	<500	<500	24,000	460 J	41,000	4,000	12,000	<500	810	33,000	2,900	12,300
3rd Quarter	4/6/2023	210,940	3,000	<500	21,000	6,400	3,900	<500	53,000	6,400	350 J	<500	34,000	29,000 *+	<500	<500	24,000	400 J	33,000	2,800	11,000	<500	620	25,000	2,500	7,570
4th Quarter	7/6/2023	230,160	4,200	<500	26,000	11,000	5,300	<500	40,000	<10000	460 J	<500	45,000	11,000	<500	<500	31,000	600	41,000	2,900	12,000	<500	<500	29,000	3,400	7,300

* Total VOCs does not include 1,4-Dixone concentration

TABLE 2
EXTRACTION SYSTEM EVALUATION - GROUNDWATER VOC AND 1,4-DIOXANE ANALYTICAL RESULTS
SEABOARD CHEMICAL/RIVERDALE DRIVE LANDFILL SITE

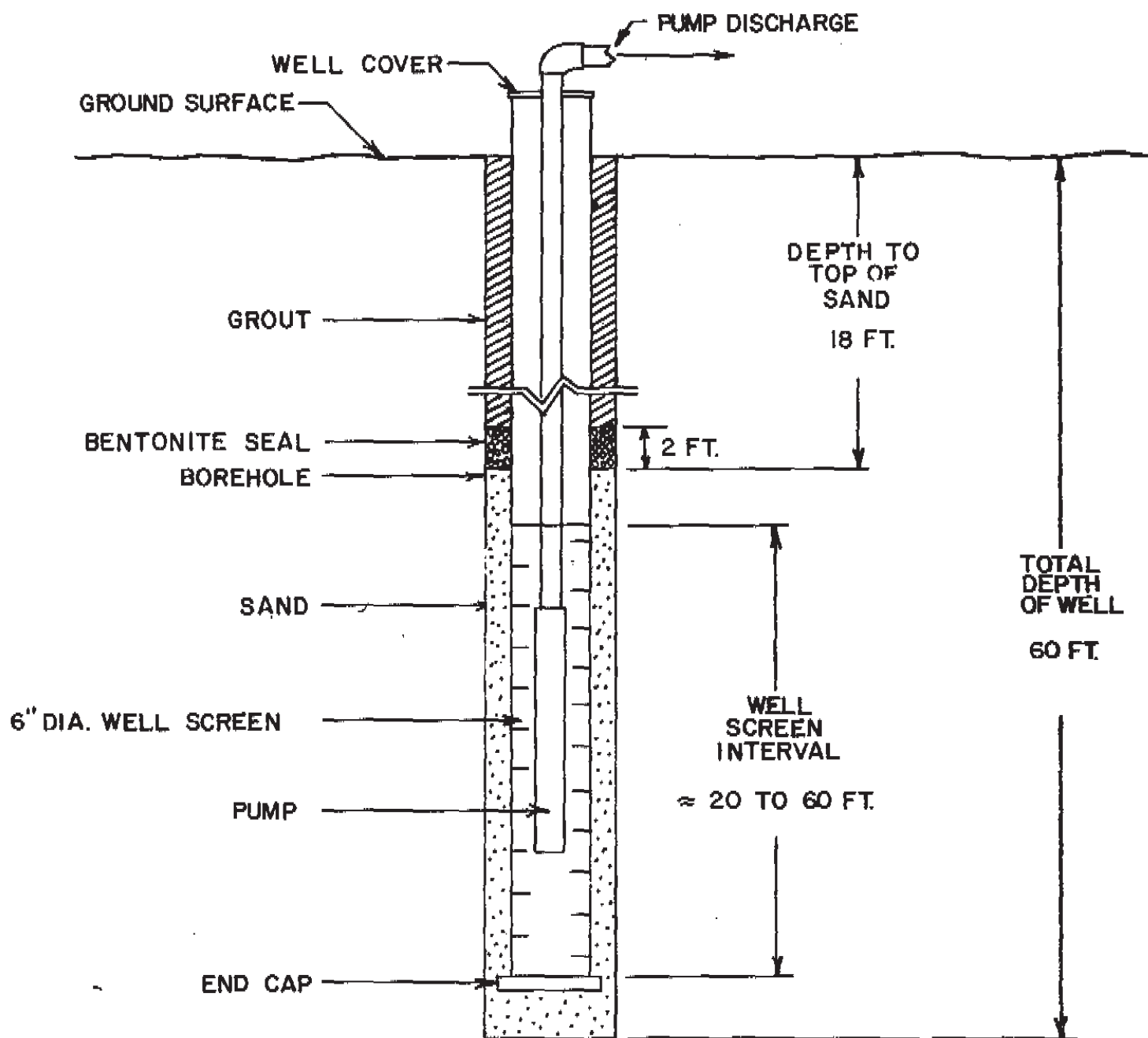
Sample I.D.	Sample Date	*Total VOCs	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	1,4-Dioxane	Acetone	Benzene	Carbon Tetrachloride	Chlorobenzene	Chloroethane	Chloroform	Chloromethane	cis-1,2-Dichloroethene	Ethylbenzene	Methylene Chloride	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes (total)	Other VOCs
NC 2L Standard		NE	200	0.6	6	350	0.4	0.6	3	6000	1	0.3	50	3,000	70	3	70	600	5	0.7	600	100	3	0.03	500	-
OW-SF1																										
Historical	3/9/2009	50,770	2,920	48.4	4,980	5,530	1,860	<10.0	6,670	242	90	<10.0	2,160	1,840	194	<10.0	20,400	15.7	680	437	618	40.2	1,290	7,240	185	ND
Background	3/22/2022	78,400	6,000	<500	6,200	8,700	940	<500	2,700	<10000	<500	<500	2,800	720	<500	<500	42,000	<500	<500	780	660	<500	2,800	6,800	<1500	ND
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	351,646	39,000	<200	32,000	20,000	4,600	<200	11,300 ^{RS}	15,000	270	<200	38,000	3,300	66J	<200	79,000	380	11,000	11,000	13,000	<200	1,600	29,000	1,800	52,630
2nd Quarter	1/5/2023	10,025	350	<50	810	940	49 J	<50	4,200	<50	<50	<50	570	410	<50	<50	3,600	<50	99	<50	97	<50	<50	3,100	<50	<50
3rd Quarter	4/6/2023	178,415	31,000 E	58	15,000 E	8,900	2,800	<50	9,900	7,800	150	<50	25,000 E	<50	34 J	3500 *+	45,000 E	300	4,400	610	6,400	33 J	4,900	12,000 E	1,400	9,130
4th Quarter	7/6/2023	37,580	520	<200	6,800	3,200	320	<200	4,800	<4000	<200	<200	5,200	420	<200	<200	10,000	<200	<200	<200	900	<200	<200	9,900	320 J	ND
PW-3D																										
Historical	2/7/1997	43,150	4,100	ND	370 J	790	15,000	ND	ND	ND	260 J	ND	16,000	ND	ND	ND	ND	ND	1,300	990	740	ND	3,600	ND	ND	160
Historical	7/17/1998	21,579	ND	650	ND	520 J	8,100	ND	ND	ND	160	ND	8,600	3 J	2 J	ND	ND	13	680	610	ND	ND	2,000	54	49	21
Historical	4/9/2010	10,224	<1.0	<1.0	393	82.5	8,840	<1.0	40	18.4	5.46	<1.0	174	<1.0	<1.0	<1.0	36.1	<1.0	99	137	7.7	<1.0	419	11.6	ND	ND
Historical	11/27/2012	8,477	54	<50	293	203	4,830	<50	55	<500	<50	<50	2,150	<50	<50	<50	54	<50	<50	222	82	<50	589	<50	<50	ND
Historical	12/17/2013	27,676	993	9	491	1,180	12,800	<5	20	<50	137	<5	7,250	<5	<5	<5	59	<5	979	723	338	<5	2,540	58.4	12.3	106.5
Historical	12/11/2014	73,280	1,500	<200	610	2,800	14,000	<200	68	<100	310	240	32,000	<200	<200	<200	100	<200	1,100	8,900	1,300	<200	9,300	150	180	790
Historical	10/29/2015	67,856	2,300	<200	660	2,100	17,000	<200	112	<1000	350	<200	32,000	<200	<200	<200	380	86 J	1,000	3,300	1,400	<200	7,000	120 J	<600	160 J
Historical	11/16/2016	45,520	970	<100	400	870	20,000	<100	120	<2000	190	<100	16,000	<100	<100	<100	110	<100	1,100	1,300	610	<100	3,500	<100	<300	470 J
Historical	10/11/2017	70,750	1,700	<200	730	2,000	20,000	<200	180	<4000	330	<200	31,000	<200	<200	<200	280	<200	1,700	3,700	1,200	<200	7,100	120 J	130	760 J
Historical	11/2/2018	61,130	1,600	<200	660	2,000	17,000	<200	170	<4000	320	<200	27,000	<200	<200	<200	510	<200	1,400	3,100	1,100	<200	6,100	130 J	100 J	110 J
Historical	9/11/2019	31,150	860	<200	480	1,100	14,000	<200	140	<200	190 J	<200	11,000	<200	<200	<200	350	<200	1,300	620	470	<200	<200	<200	<600	780 J
Historical	10/14/2020	75,870	1,700	<200	800	2,900	20,000	<200	160	<4000	450	<200	32,000	<200	<200	<200	540	<200	1,800	4,800	1,300	<200	8,400	190	210	780
Historical	10/27/2021	46,580	890	<500	660	1,500	17,000	<500	160	<10000	280	<500	18,000	<500	<500	<500	380	<500	1,800	1,200	670	<500	4,200	<500	<1500	ND
Background	3/22/2022	58,450	800	<500	520	1,500	17,000	<500	150	<10000		<500	26,000	<500	<500	<500	420 J	<500	1,900	3,200	910	<500	6,200	<500	<1500	ND
	6/30/2022	Extraction Wells Online																								
1st Quarter	9/27/2022	63,770	920	<200	760	2,100	19,000	<200	128 ^{RS}	<2000	360	<200	26,000	<200	<200	<200	540	40J	1,900	3,900	1,100	<200	6,000	120J	100J	930
2nd Quarter	1/5/2023	55,080	760	<500	570	1,600	14,000	<500	120	<5000	290 J	<500	26,000	<500	<500	<500	650	<500	1,500	3,100	910	<500	5,500	200 J	<500	ND
3rd Quarter	4/6/2023	42,980	<500	<500	480 J	1,200	14,000	<500	130	<5000	440 J	<500	19,000	<500	<500	<500	410 J	<500	<500	2,500	850	<500	4,100	<500	<500	ND
4th Quarter	7/6/2023	52,810	780	<500	660	1,600	16,000	<500	130	<10000	<500	<500	22,000	<500	<500	<500	600	<500	1,000	2,000	870	<500	6,100	200 J	<500	ND
			^{RS} Resampled on 11/17/22 due to laboratory error							* Total VOCs <u>does not</u> include 1,4-dioxane values								J = Estimated concentration, result is between MDL and MRL								
			B = Compound was found in the blank and the sample							**+ = LCS and/or LCSD is outside acceptance limits, high biased.								E = Result exceeds calibration range						ND = Not Detected		

* Total VOCs does not include 1,4-Dixone concentration

APPENDIX A

R-1/PW-SF1 Well Construction Information

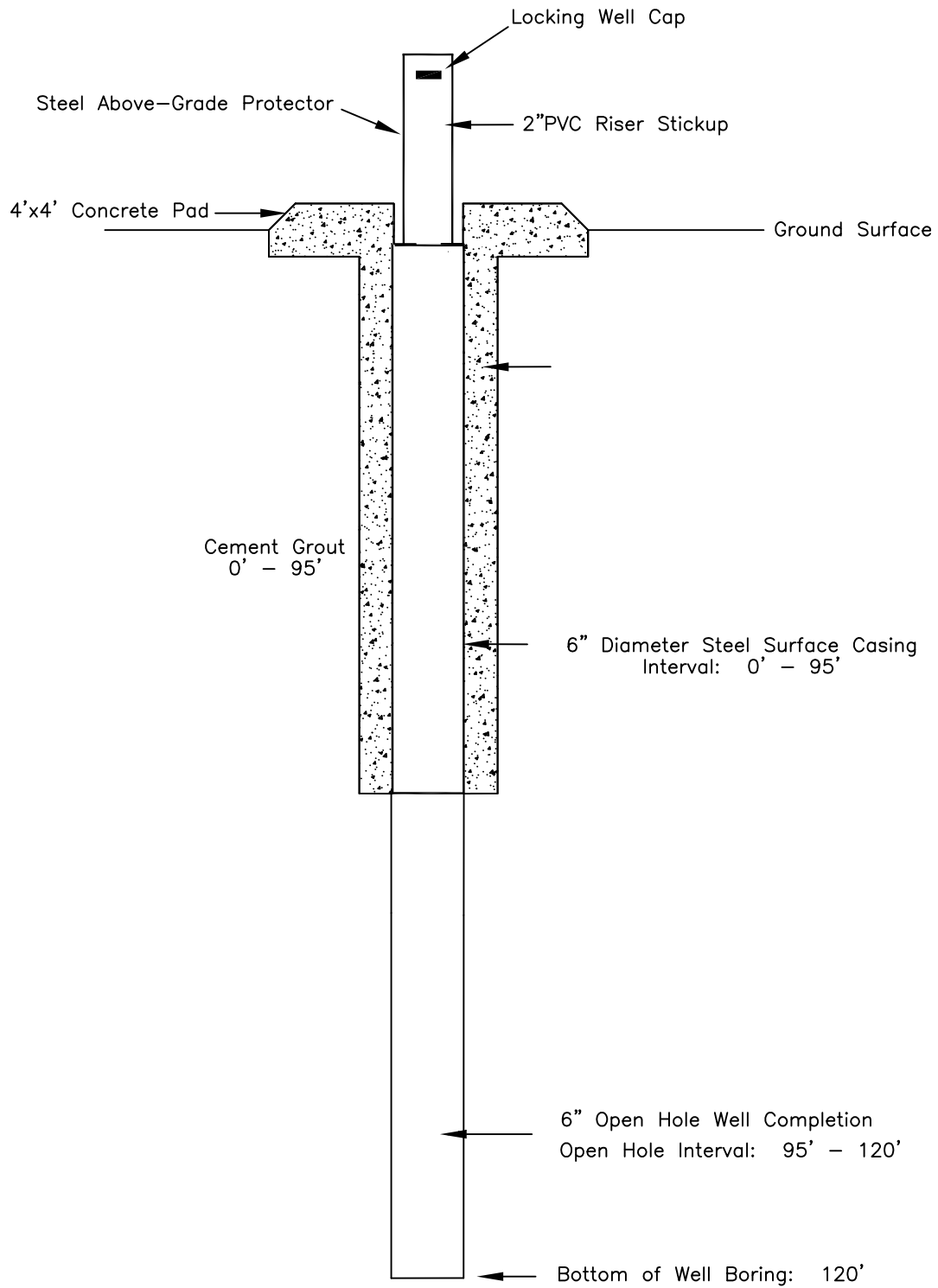
PROPOSED RECOVERY WELL INSTALLATION



LAW ENGINEERING TESTING
COMPANY

CHARLOTTE, NORTH CAROLINA

FIGURE C-14



Babb & Associates, P.A.

TITLE:

PW-SF1
WELL CONSTRUCTION

SCC/Riverdale Landfill Site
5844 Riverdale Drive
High Point, North Carolina

FIGURE NO:

SCALE:

not to
scale

PROJECT NO:

CHECKED BY:

DRAWN BY:

DATE:

Date Start/Finish: 7/2/97 / 7/3/97
 Drilling Company: Parratt-Wolff
 Driller's Name: Mickey Helms
 Drilling Method: Air Rotary
 Bit Size: 9 7/8, 6 1/8 Auger Size :
 Rig Type: Ingersoll-Rand T-3
 Spoon Size:

Northing: 4968.0091
 Easting: 5539.3113
 Well Casing Elev.: 733.15 ft.
 Corehole Depth: ft.
 Borehole Depth: 120 ft.
 Ground Surface Elev.: 732.14 ft.

Geologist: Brian Lovgren

Well No. PW-SF1

Client:
 Seaboard Group II & City of High Point

Site:
 Jamestown, North Carolina

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 732.14 ft.											5 inch diameter Steel protective casing.
										GROUND SURFACE	
730										Gray OVERBURDEN	Cement pad to 0' BGS.
5											
725											
10											Grout to 97' BGS
720											
5											

BBL
 BLASLAND, BOUCK & LEE, INC.
 engineers & scientists

Remarks:
 6" black steel surface casing installed to 97 feet.

Water Levels		
Date / Time	Elevation	Depth
7/7/98	732.14	21.01

Site:
Jamestown, North Carolina

Well No. PH-SF1
Total Depth = 120 ft

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
75										Gray OVERBURDEN	6-inch steel surface casing (to 97' BGS)
20											
710											
25											
705											
30											
700											
35											

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Water Levels

Date / Time	Elevation	Depth
7/7/98	712.14	21.01

Site:
Jamestown, North Carolina

Well No. PW-SF1

Total Depth = 120 ft.

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	P10 (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
695										Weathered olive MAFIC DIKE	
40											
690										Gray OVERBURDEN	
45											
685											
50											
680											
55											

BBL
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engineers & scientists

Remarks:

Water Levels

Date / Time	Elevation	Depth
7/7/98	712.14	2101

Site:
Jamestown, North Carolina

Well No. PW-SF1

Total Depth = 120 ft.

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction		
675										Gray OVERBURDEN			
60													
670													
65													
665													
70													
660													
75													
BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists										Remarks:	Water Levels		
											Date / Time	Elevation	Depth
											7/7/98	712.14	21.01

Site:
Jamestown, North Carolina

Well No. PW-SF1

Total Depth = 120 ft.

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
655											
80											
650											
85											
645											
80											
640											
95											

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Water Levels

Date / Time	Elevation	Depth
7/7/98	712.14	21.01 ↓
		↓
		↓

Site:
Jamestown, North Carolina

Well No. PW-SF1

Total Depth = 120 ft.

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int./Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
635											
630											
625											
620											
615											
610											
605											
600											
595											
590											
585											
580											
575											
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230											
225											
220											
215											
210											
205											
200											
195											
190											
185											
180											
175											
170											
165											
160											
155											
150											
145											
140											
135											
130											
125											
120											

*opened
95" depth
J*

Olive MAFIC DIKE

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Water Levels

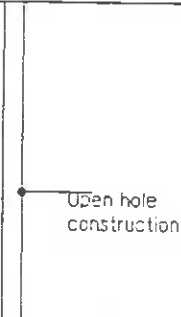
Date / Time	Elevation	Depth
7/7/98	712.14	21.01

Site:
Jamestown, North Carolina

Well No. PW-SF1

Total Depth = 120 ft.

Client:
Seaboard Group II & City of High Point

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	USCS Code	Geologic Column	Stratigraphic Description	Well Construction
615										Olive MAFIC DIKE	
										Gneissic GRANITE	
120										Olive MAFIC DIKE	
										Boring terminated at 120'	
610											
605											
125											
600											
130											
135											

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:

Water Levels

Date / Time	Elevation	Depth
7/7/98	712.14	2101

APPENDIX B

RW-SIS7/RW-SIS8 Well Construction Information

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

KENNY SARGENT

Well Contractor Name

A - 4226

NC Well Contractor Certification Number

GEOLOGIC EXPLORATION

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation ☐ Wells > 100,000 GPD

Non-Water Supply Well:

- ☐ Monitoring ☒ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 03/07/22 Well ID# RW-7

5a. Well Location:

SEABOARD CHEMICAL

Facility/Owner Name

Facility ID# (if applicable)

5899 RIVERDALE DRIVE JAMESTOWN 27282

Physical Address, City, and Zip

GUILFORD

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35° 56' 49.67" N 79° 54' 38.22" W

6. Is(are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled:

9. Total well depth below land surface: 50.0 (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 12.0 (ft.)

If water level is above casing, use "+"

11. Borehole diameter: 6.0 (in.)

12. Well construction method: SONIC

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) Method of test:

13b. Disinfection type: Amount:

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	10.0 ft.	6.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10.0 ft.	50.0 ft.	6.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	4.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
8.0 ft.	50.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	6.0 ft.	BACKFILL/GRAY SILTY GRAVEL
6.0 ft.	19.0 ft.	BROWN SILTY CLAY
19.0 ft.	28.0 ft.	BROWN SILTY SANDY PWR
28.0 ft.	41.0 ft.	GRAY SILTY PWR
41.0 ft.	50.0 ft.	BROWN SILTY PWR
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 4.0 - 8.0 FEET

22. Certification:

Signature of Certified Well Contractor

03/08/22

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary.

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. **For All Wells:** Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. **For Injection Wells:** Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. **For Water Supply and Open-Loop Geothermal Return Wells:** Copy to the county environmental health department of the county where installed

24d. **For Water Wells producing over 100,000 GPD:** Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

WELL CONSTRUCTION RECORD (GW-1)

1. Well Contractor Information:

JOHNNY BURR

Well Contractor Name

A - 3098

NC Well Contractor Certification Number

GEOLOGIC EXPLORATION

Company Name

2. Well Construction Permit #:

List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:

- ☐ Agricultural ☐ Municipal/Public
☐ Geothermal (Heating/Cooling Supply) ☐ Residential Water Supply (single)
☐ Industrial/Commercial ☐ Residential Water Supply (shared)
☐ Irrigation ☐ Wells > 100,000 GPD

Non-Water Supply Well:

- ☐ Monitoring ☒ Recovery

Injection Well:

- ☐ Aquifer Recharge ☐ Groundwater Remediation
☐ Aquifer Storage and Recovery ☐ Salinity Barrier
☐ Aquifer Test ☐ Stormwater Drainage
☐ Experimental Technology ☐ Subsidence Control
☐ Geothermal (Closed Loop) ☐ Tracer
☐ Geothermal (Heating/Cooling Return) ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 04/14/22 Well ID# RW-8

5a. Well Location:

SEABOARD CHEMICAL

Facility/Owner Name

Facility ID# (if applicable)

5899 RIVERDALE DRIVE JAMESTOWN 27282

Physical Address, City, and Zip

GUILFORD

County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees: (if well field, one lat/long is sufficient)

35° 56' 49.67" N 79° 54' 38.22" W

6. Is(are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No

If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same construction, only 1 GW-1 is needed. Indicate TOTAL NUMBER of wells drilled:

9. Total well depth below land surface: 50.0 (ft.)

For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 10.0 (ft.)

If water level is above casing, use "+"

11. Borehole diameter: 12.0/7.875 (in.)

12. Well construction method: AUGER/AIR

(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) Method of test:

13b. Disinfection type: Amount:

For Internal Use Only:

14. WATER ZONES

FROM	TO	DESCRIPTION
ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
0.0 ft.	10.0 ft.	6.0 in.	SCH 40	PVC
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
10.0 ft.	50.0 ft.	6.0 in.	.010	SCH 40	PVC
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0.0 ft.	6.0 ft.	PORTLAND BENTONITE	SLURRY
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
8.0 ft.	50.0 ft.	20-40	FINE SILICA SAND
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
0.0 ft.	10.0 ft.	RED/ORANGE CLAY
10.0 ft.	18.0 ft.	BROWN SANDY SILTY CLAY
18.0 ft.	50.0 ft.	WHITE/BROWN SANDSTONE
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

BENTONITE SEAL ~ 6.0 - 8.0 FEET

22. Certification:

Signature of Certified Well Contractor

04/18/22

Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:

You may use the back of this page to provide additional well construction info (add 'See Over' in Remarks Box). You may also attach additional pages if necessary.

24. SUBMITTAL INSTRUCTIONS

Submit this GW-1 within 30 days of well completion per the following:

24a. **For All Wells:** Original form to Division of Water Resources (DWR), Information Processing Unit, 1617 MSC, Raleigh, NC 27699-1617

24b. **For Injection Wells:** Copy to DWR, Underground Injection Control (IUC) Program, 1636 MSC, Raleigh, NC 27699-1636

24c. **For Water Supply and Open-Loop Geothermal Return Wells:** Copy to the county environmental health department of the county where installed

24d. **For Water Wells producing over 100,000 GPD:** Copy to DWR, CCPCUA Permit Program, 1611 MSC, Raleigh, NC 27699-1611

APPENDIX C

Eurofins Laboratory Analytical Report

ANALYTICAL REPORT

PREPARED FOR

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

Generated 7/20/2023 7:03:00 AM

JOB DESCRIPTION

Seaboard EX SYS Eval

JOB NUMBER

752-9097-1

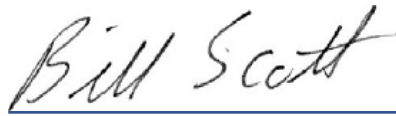
Eurofins Raleigh

Job Notes

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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.

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Definitions/Glossary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Case Narrative

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Job ID: 752-9097-1

Laboratory: Eurofins Raleigh

Narrative

Job Narrative 752-9097-1

Receipt

The samples were received on 7/7/2023 9:30 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 2.0°C

GC/MS VOA

Method 8260D: The CCV for analytical batch 752-3646 recovered outside control limits for the following analyte(s): 1,2-Dibromo-3-Chloropropane, 2-Chloroethyl vinyl ether, Dichlorodifluoromethane, Chloromethane and 1,2,3-Trichlorobenzene. These compounds have been identified as poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Method 8260D: The continuing calibration verification (CCV) associated with batch 752-3646 recovered outside acceptance criteria, low biased, for Vinyl chloride, tert-Butylbenzene and Hexachlorobutadiene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The continuing calibration verification (CCV) associated with batch 752-3646 recovered outside acceptance criteria, low biased, for Vinyl chloride. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The following samples were diluted to bring the concentration of target analytes within the calibration range: AW-3 (752-9097-2), AW-4 (752-9097-3), AWB-4 (752-9097-4), MW-7B (752-9097-5), OW-SF1 (752-9097-6), OW-SIS1 (752-9097-7), PW-3D (752-9097-8), PW-SIS7 (752-9097-9), PW-SIS8 (752-9097-10), PW-SF1 (752-9097-11), R-1 (752-9097-12) and RW-SIS1 (752-9097-13). Elevated reporting limits (RLs) are provided.

Method 8260D_SIM_14DX: Surrogate recovery is within acceptable recovery limits (70-130%) : (CCVIS 680-787871/3).

Method 8260D_SIM_14DX: The matrix spike and matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-787871 were outside control limits and above calibration. Sample matrix interference is not apparent but the associated laboratory control sample and duplicate (LCS/LCSD) recovery is within acceptance limits; therefore, the data have been reported.

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

Detection Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-2

Lab Sample ID: 752-9097-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	66		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
1,1-Dichloroethane	0.23	J	1.0	0.13	ug/L	1		8260D	Total/NA
Chlorobenzene	7.3		1.0	0.17	ug/L	1		8260D	Total/NA
Chloroethane	19		1.0	0.23	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	0.40	J	1.0	0.15	ug/L	1		8260D	Total/NA
Isopropyl ether	0.51	J	1.0	0.36	ug/L	1		8260D	Total/NA

Client Sample ID: AW-3

Lab Sample ID: 752-9097-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	280		13	8.0	ug/L	25		8260D SIM 14D	Total/NA
1,1-Dichloroethane	78		10	1.3	ug/L	10		8260D	Total/NA
1,1-Dichloroethene	5.9	J	10	2.1	ug/L	10		8260D	Total/NA
Benzene	7.2	J	10	1.5	ug/L	10		8260D	Total/NA
Chlorobenzene	580		10	1.7	ug/L	10		8260D	Total/NA
Vinyl chloride	41		10	3.2	ug/L	10		8260D	Total/NA
cis-1,2-Dichloroethene	46		10	1.5	ug/L	10		8260D	Total/NA
o-Xylene	1.2	J B	10	0.65	ug/L	10		8260D	Total/NA

Client Sample ID: AW-4

Lab Sample ID: 752-9097-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	220		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA
1,1-Dichloroethane	42		10	1.3	ug/L	10		8260D	Total/NA
Benzene	7.6	J	10	1.5	ug/L	10		8260D	Total/NA
Chlorobenzene	490		10	1.7	ug/L	10		8260D	Total/NA
Vinyl chloride	32		10	3.2	ug/L	10		8260D	Total/NA
Toluene	3.1	J	10	1.4	ug/L	10		8260D	Total/NA
Chloroethane	140		10	2.3	ug/L	10		8260D	Total/NA
cis-1,2-Dichloroethene	30		10	1.5	ug/L	10		8260D	Total/NA
m-Xylene & p-Xylene	3.2	J B	20	1.7	ug/L	10		8260D	Total/NA
Xylenes, Total	6.0	J	30	4.5	ug/L	10		8260D	Total/NA
o-Xylene	2.8	J B	10	0.65	ug/L	10		8260D	Total/NA

Client Sample ID: AWB-4

Lab Sample ID: 752-9097-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	860		25	16	ug/L	50		8260D SIM 14D	Total/NA
1,1-Dichloroethane	300		50	6.5	ug/L	50		8260D	Total/NA
1,2-Dichloroethane	130		50	11	ug/L	50		8260D	Total/NA
Chlorobenzene	2300		50	8.5	ug/L	50		8260D	Total/NA
Vinyl chloride	77		50	16	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	60		50	7.5	ug/L	50		8260D	Total/NA
o-Xylene	6.8	J B	50	3.3	ug/L	50		8260D	Total/NA

Client Sample ID: MW-7B

Lab Sample ID: 752-9097-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	40000		1300	800	ug/L	2500		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	4200		500	60	ug/L	500		8260D	Total/NA
1,1-Dichloroethane	26000		500	65	ug/L	500		8260D	Total/NA
1,1-Dichloroethene	11000		500	110	ug/L	500		8260D	Total/NA
1,2-Dichloroethane	5300		500	110	ug/L	500		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: MW-7B (Continued)

Lab Sample ID: 752-9097-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone (MIBK)	6000		2500	550	ug/L	500		8260D	Total/NA
Benzene	460	J	500	75	ug/L	500		8260D	Total/NA
Chlorobenzene	45000		500	85	ug/L	500		8260D	Total/NA
Vinyl chloride	29000		500	160	ug/L	500		8260D	Total/NA
Tetrachloroethene	2900		500	85	ug/L	500		8260D	Total/NA
Toluene	12000		500	70	ug/L	500		8260D	Total/NA
Chloroethane	11000		500	120	ug/L	500		8260D	Total/NA
cis-1,2-Dichloroethene	31000		500	75	ug/L	500		8260D	Total/NA
Ethylbenzene	600		500	65	ug/L	500		8260D	Total/NA
Isopropyl ether	1300		500	180	ug/L	500		8260D	Total/NA
m-Xylene & p-Xylene	2500	B	1000	85	ug/L	500		8260D	Total/NA
Methylene Chloride	41000		500	120	ug/L	500		8260D	Total/NA
Xylenes, Total	3400		1500	230	ug/L	500		8260D	Total/NA
o-Xylene	890	B	500	33	ug/L	500		8260D	Total/NA

Client Sample ID: OW-SF1

Lab Sample ID: 752-9097-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	4800		130	80	ug/L	250		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	520		200	24	ug/L	200		8260D	Total/NA
1,1-Dichloroethane	6800		200	26	ug/L	200		8260D	Total/NA
1,1-Dichloroethene	3200		200	42	ug/L	200		8260D	Total/NA
1,2-Dichloroethane	320		200	42	ug/L	200		8260D	Total/NA
Chlorobenzene	5200		200	34	ug/L	200		8260D	Total/NA
Vinyl chloride	9900		200	64	ug/L	200		8260D	Total/NA
Toluene	900		200	28	ug/L	200		8260D	Total/NA
Chloroethane	420		200	46	ug/L	200		8260D	Total/NA
cis-1,2-Dichloroethene	10000		200	30	ug/L	200		8260D	Total/NA
m-Xylene & p-Xylene	210	J B	400	34	ug/L	200		8260D	Total/NA
Xylenes, Total	320	J	600	90	ug/L	200		8260D	Total/NA
o-Xylene	110	J B	200	13	ug/L	200		8260D	Total/NA

Client Sample ID: OW-SIS1

Lab Sample ID: 752-9097-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	3800		250	160	ug/L	500		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	180		100	12	ug/L	100		8260D	Total/NA
1,1-Dichloroethane	2300		100	13	ug/L	100		8260D	Total/NA
1,1-Dichloroethene	560		100	21	ug/L	100		8260D	Total/NA
1,2-Dichloroethane	140		100	21	ug/L	100		8260D	Total/NA
Chlorobenzene	7200		100	17	ug/L	100		8260D	Total/NA
Vinyl chloride	2300		100	32	ug/L	100		8260D	Total/NA
Toluene	35	J	100	14	ug/L	100		8260D	Total/NA
Chloroethane	330		100	23	ug/L	100		8260D	Total/NA
cis-1,2-Dichloroethene	2000		100	15	ug/L	100		8260D	Total/NA
Isopropyl ether	51	J	100	36	ug/L	100		8260D	Total/NA
o-Xylene	19	J B	100	6.5	ug/L	100		8260D	Total/NA

Client Sample ID: PW-3D

Lab Sample ID: 752-9097-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	130		5.0	3.2	ug/L	10		8260D SIM 14D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-3D (Continued)

Lab Sample ID: 752-9097-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,1-Trichloroethane	780		500	60	ug/L	500		8260D	Total/NA
1,1-Dichloroethane	660		500	65	ug/L	500		8260D	Total/NA
1,1-Dichloroethene	1600		500	110	ug/L	500		8260D	Total/NA
1,2-Dichloroethane	16000		500	110	ug/L	500		8260D	Total/NA
Chlorobenzene	22000		500	85	ug/L	500		8260D	Total/NA
Vinyl chloride	200	J	500	160	ug/L	500		8260D	Total/NA
Tetrachloroethene	3000		500	85	ug/L	500		8260D	Total/NA
Toluene	870		500	70	ug/L	500		8260D	Total/NA
Trichloroethene	6100		500	75	ug/L	500		8260D	Total/NA
cis-1,2-Dichloroethene	600		500	75	ug/L	500		8260D	Total/NA
Methylene Chloride	1000		500	120	ug/L	500		8260D	Total/NA

Client Sample ID: PW-SIS7

Lab Sample ID: 752-9097-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	840		25	16	ug/L	50		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	160		50	6.0	ug/L	50		8260D	Total/NA
1,1-Dichloroethane	740		50	6.5	ug/L	50		8260D	Total/NA
1,1-Dichloroethene	240		50	11	ug/L	50		8260D	Total/NA
1,2-Dichloroethane	93		50	11	ug/L	50		8260D	Total/NA
Chlorobenzene	1900		50	8.5	ug/L	50		8260D	Total/NA
Vinyl chloride	640		50	16	ug/L	50		8260D	Total/NA
Chloroethane	110		50	12	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	840		50	7.5	ug/L	50		8260D	Total/NA

Client Sample ID: PW-SIS8

Lab Sample ID: 752-9097-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	2200		130	80	ug/L	250		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	580		50	6.0	ug/L	50		8260D	Total/NA
1,1-Dichloroethane	1200		50	6.5	ug/L	50		8260D	Total/NA
1,1-Dichloroethene	510		50	11	ug/L	50		8260D	Total/NA
1,2-Dichloroethane	110		50	11	ug/L	50		8260D	Total/NA
Chlorobenzene	3800		50	8.5	ug/L	50		8260D	Total/NA
Vinyl chloride	1300		50	16	ug/L	50		8260D	Total/NA
Toluene	34	J	50	7.0	ug/L	50		8260D	Total/NA
trans-1,2-Dichloroethene	18	J	50	11	ug/L	50		8260D	Total/NA
Chloroethane	140		50	12	ug/L	50		8260D	Total/NA
cis-1,2-Dichloroethene	1800		50	7.5	ug/L	50		8260D	Total/NA
Isopropyl ether	32	J	50	18	ug/L	50		8260D	Total/NA
o-Xylene	20	J B	50	3.3	ug/L	50		8260D	Total/NA

Client Sample ID: PW-SF1

Lab Sample ID: 752-9097-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6300		500	320	ug/L	1000		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	18000		500	60	ug/L	500		8260D	Total/NA
1,1-Dichloroethane	9500		500	65	ug/L	500		8260D	Total/NA
1,1-Dichloroethene	7400		500	110	ug/L	500		8260D	Total/NA
1,2-Dichloroethane	2000		500	110	ug/L	500		8260D	Total/NA
Benzene	170	J	500	75	ug/L	500		8260D	Total/NA
Chlorobenzene	18000		500	85	ug/L	500		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Detection Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SF1 (Continued)

Lab Sample ID: 752-9097-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Vinyl chloride	6500		500	160	ug/L	500		8260D	Total/NA
Tetrachloroethene	2600		500	85	ug/L	500		8260D	Total/NA
Toluene	3100		500	70	ug/L	500		8260D	Total/NA
Trichloroethene	2000		500	75	ug/L	500		8260D	Total/NA
Chloroethane	650		500	120	ug/L	500		8260D	Total/NA
cis-1,2-Dichloroethene	31000		500	75	ug/L	500		8260D	Total/NA
Ethylbenzene	270	J	500	65	ug/L	500		8260D	Total/NA
Isopropyl ether	180	J	500	180	ug/L	500		8260D	Total/NA
m-Xylene & p-Xylene	670	J B	1000	85	ug/L	500		8260D	Total/NA
Methylene Chloride	2800		500	120	ug/L	500		8260D	Total/NA
Xylenes, Total	980	J	1500	230	ug/L	500		8260D	Total/NA
o-Xylene	310	J B	500	33	ug/L	500		8260D	Total/NA

Client Sample ID: R-1

Lab Sample ID: 752-9097-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	6800		250	160	ug/L	500		8260D SIM 14D	Total/NA
1,1,1-Trichloroethane	28000		2000	240	ug/L	2000		8260D	Total/NA
1,1-Dichloroethane	23000		2000	260	ug/L	2000		8260D	Total/NA
1,1-Dichloroethene	17000		2000	420	ug/L	2000		8260D	Total/NA
1,2-Dichloroethane	3800		2000	420	ug/L	2000		8260D	Total/NA
Chlorobenzene	13000		2000	340	ug/L	2000		8260D	Total/NA
Vinyl chloride	14000		2000	640	ug/L	2000		8260D	Total/NA
Tetrachloroethene	5100		2000	340	ug/L	2000		8260D	Total/NA
Toluene	12000		2000	280	ug/L	2000		8260D	Total/NA
Trichloroethene	5300		2000	300	ug/L	2000		8260D	Total/NA
cis-1,2-Dichloroethene	94000		2000	300	ug/L	2000		8260D	Total/NA
m-Xylene & p-Xylene	1500	J B	4000	340	ug/L	2000		8260D	Total/NA
Methylene Chloride	5300		2000	460	ug/L	2000		8260D	Total/NA
Xylenes, Total	2200	J	6000	900	ug/L	2000		8260D	Total/NA
o-Xylene	740	J B	2000	130	ug/L	2000		8260D	Total/NA

Client Sample ID: RW-SIS1

Lab Sample ID: 752-9097-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,4-Dioxane	390		13	8.0	ug/L	25		8260D SIM 14D	Total/NA
Chlorobenzene	280		10	1.7	ug/L	10		8260D	Total/NA
Chloroethane	46		10	2.3	ug/L	10		8260D	Total/NA
cis-1,2-Dichloroethene	6.8	J	10	1.5	ug/L	10		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Raleigh

Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-2

Lab Sample ID: 752-9097-1

Date Collected: 07/06/23 11:25

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	66		5.0	3.2	ug/L			07/12/23 15:58	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					07/12/23 15:58	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	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
1,1,1-Trichloroethane	0.12	U	1.0	0.12	ug/L			07/13/23 08:32	1
1,1,2,2-Tetrachloroethane	0.28	U	1.0	0.28	ug/L			07/13/23 08:32	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/L			07/13/23 08:32	1
1,1-Dichloroethane	0.23	J	1.0	0.13	ug/L			07/13/23 08:32	1
1,1-Dichloroethene	0.21	U	1.0	0.21	ug/L			07/13/23 08:32	1
1,1-Dichloropropene	0.15	U	1.0	0.15	ug/L			07/13/23 08:32	1
1,2,4-Trichlorobenzene	0.14	U	1.0	0.14	ug/L			07/13/23 08:32	1
1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L			07/13/23 08:32	1
1,2-Dibromo-3-Chloropropane	0.48	U	1.0	0.48	ug/L			07/13/23 08:32	1
1,2-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			07/13/23 08:32	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			07/13/23 08:32	1
1,2-Dichloropropane	0.10	U	1.0	0.10	ug/L			07/13/23 08:32	1
1,2-Dibromoethane (EDB)	0.66	U	1.0	0.66	ug/L			07/13/23 08:32	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			07/13/23 08:32	1
1,3-Dichloropropane	0.16	U	1.0	0.16	ug/L			07/13/23 08:32	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			07/13/23 08:32	1
2,2-Dichloropropane	0.28	U	1.0	0.28	ug/L			07/13/23 08:32	1
2-Butanone (MEK)	10	U	20	10	ug/L			07/13/23 08:32	1
2-Chloroethyl vinyl ether	1.1	U	5.0	1.1	ug/L			07/13/23 08:32	1
2-Chlorotoluene	0.081	U	1.0	0.081	ug/L			07/13/23 08:32	1
2-Hexanone	0.88	U	5.0	0.88	ug/L			07/13/23 08:32	1
3-Chloro-1-propene	0.11	U	1.0	0.11	ug/L			07/13/23 08:32	1
4-Chlorotoluene	0.068	U	1.0	0.068	ug/L			07/13/23 08:32	1
4-Isopropyltoluene	0.085	U	1.0	0.085	ug/L			07/13/23 08:32	1
4-Methyl-2-pentanone (MIBK)	1.1	U	5.0	1.1	ug/L			07/13/23 08:32	1
Acetone	10	U	20	10	ug/L			07/13/23 08:32	1
Benzene	0.15	U	1.0	0.15	ug/L			07/13/23 08:32	1
Bromobenzene	0.16	U	1.0	0.16	ug/L			07/13/23 08:32	1
Chlorobromomethane	0.48	U	1.0	0.48	ug/L			07/13/23 08:32	1
Dichlorobromomethane	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
Bromoform	0.22	U	1.0	0.22	ug/L			07/13/23 08:32	1
Bromomethane	0.14	U	1.0	0.14	ug/L			07/13/23 08:32	1
Carbon disulfide	1.5	U	5.0	1.5	ug/L			07/13/23 08:32	1
Carbon tetrachloride	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
Chlorobenzene	7.3		1.0	0.17	ug/L			07/13/23 08:32	1
sec-Butylbenzene	0.10	U	1.0	0.10	ug/L			07/13/23 08:32	1
Dichlorodifluoromethane	0.20	U	1.0	0.20	ug/L			07/13/23 08:32	1
Vinyl chloride	0.32	U	1.0	0.32	ug/L			07/13/23 08:32	1
Styrene	0.11	U	1.0	0.11	ug/L			07/13/23 08:32	1
tert-Butylbenzene	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
Tetrachloroethene	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
Toluene	0.14	U	1.0	0.14	ug/L			07/13/23 08:32	1

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-2

Date Collected: 07/06/23 11:25

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.21	U	1.0	0.21	ug/L			07/13/23 08:32	1
trans-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			07/13/23 08:32	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			07/13/23 08:32	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			07/13/23 08:32	1
Chloroethane	19		1.0	0.23	ug/L			07/13/23 08:32	1
Chloroform	0.18	U	1.0	0.18	ug/L			07/13/23 08:32	1
Chloromethane	0.13	U	1.0	0.13	ug/L			07/13/23 08:32	1
cis-1,2-Dichloroethene	0.40	J	1.0	0.15	ug/L			07/13/23 08:32	1
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			07/13/23 08:32	1
Chlorodibromomethane	0.17	U	1.0	0.17	ug/L			07/13/23 08:32	1
Dibromomethane	0.27	U	1.0	0.27	ug/L			07/13/23 08:32	1
Ethylbenzene	0.13	U	1.0	0.13	ug/L			07/13/23 08:32	1
Hexachlorobutadiene	0.22	U	1.0	0.22	ug/L			07/13/23 08:32	1
Isopropyl ether	0.51	J	1.0	0.36	ug/L			07/13/23 08:32	1
Isopropylbenzene	0.14	U	1.0	0.14	ug/L			07/13/23 08:32	1
m-Xylene & p-Xylene	0.17	U	2.0	0.17	ug/L			07/13/23 08:32	1
Methylene Chloride	0.23	U	1.0	0.23	ug/L			07/13/23 08:32	1
Xylenes, Total	0.45	U	3.0	0.45	ug/L			07/13/23 08:32	1
N-Propylbenzene	0.12	U	1.0	0.12	ug/L			07/13/23 08:32	1
n-Butylbenzene	0.058	U	1.0	0.058	ug/L			07/13/23 08:32	1
Naphthalene	0.11	U	1.0	0.11	ug/L			07/13/23 08:32	1
1,2,3-Trichloropropane	0.49	U	1.0	0.49	ug/L			07/13/23 08:32	1
1,3,5-Trimethylbenzene	0.30	U	1.0	0.30	ug/L			07/13/23 08:32	1
o-Xylene	0.065	U	1.0	0.065	ug/L			07/13/23 08:32	1
1,2,3-Trichlorobenzene	0.012	U	1.0	0.012	ug/L			07/13/23 08:32	1
Methyl tert-butyl ether	0.16	U	1.0	0.16	ug/L			07/13/23 08:32	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		67 - 129		07/13/23 08:32	1
4-Bromofluorobenzene (Surr)	109		53 - 136		07/13/23 08:32	1
Toluene-d8 (Surr)	104		59 - 134		07/13/23 08:32	1

Client Sample ID: AW-3

Date Collected: 07/06/23 09:30

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-2

Matrix: 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	280		13	8.0	ug/L			07/12/23 17:15	25

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	100		70 - 130		07/12/23 17:15	25

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	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
1,1,1-Trichloroethane	1.2	U	10	1.2	ug/L			07/13/23 09:02	10
1,1,1,2,2-Tetrachloroethane	2.8	U	10	2.8	ug/L			07/13/23 09:02	10
1,1,2-Trichloroethane	1.4	U	10	1.4	ug/L			07/13/23 09:02	10
1,1-Dichloroethane	78		10	1.3	ug/L			07/13/23 09:02	10
1,1-Dichloroethene	5.9	J	10	2.1	ug/L			07/13/23 09:02	10

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-3

Lab Sample ID: 752-9097-2

Date Collected: 07/06/23 09:30

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 09:02	10
1,2,4-Trichlorobenzene	1.4	U	10	1.4	ug/L			07/13/23 09:02	10
1,2,4-Trimethylbenzene	1.0	U	10	1.0	ug/L			07/13/23 09:02	10
1,2-Dibromo-3-Chloropropane	4.8	U	10	4.8	ug/L			07/13/23 09:02	10
1,2-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 09:02	10
1,2-Dichloroethane	2.1	U	10	2.1	ug/L			07/13/23 09:02	10
1,2-Dichloropropane	1.0	U	10	1.0	ug/L			07/13/23 09:02	10
1,2-Dibromoethane (EDB)	6.6	U	10	6.6	ug/L			07/13/23 09:02	10
1,3-Dichlorobenzene	1.5	U	10	1.5	ug/L			07/13/23 09:02	10
1,3-Dichloropropane	1.6	U	10	1.6	ug/L			07/13/23 09:02	10
1,4-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 09:02	10
2,2-Dichloropropane	2.8	U	10	2.8	ug/L			07/13/23 09:02	10
2-Butanone (MEK)	100	U	200	100	ug/L			07/13/23 09:02	10
2-Chloroethyl vinyl ether	11	U	50	11	ug/L			07/13/23 09:02	10
2-Chlorotoluene	0.81	U	10	0.81	ug/L			07/13/23 09:02	10
2-Hexanone	8.8	U	50	8.8	ug/L			07/13/23 09:02	10
3-Chloro-1-propene	1.1	U	10	1.1	ug/L			07/13/23 09:02	10
4-Chlorotoluene	0.68	U	10	0.68	ug/L			07/13/23 09:02	10
4-Isopropyltoluene	0.85	U	10	0.85	ug/L			07/13/23 09:02	10
4-Methyl-2-pentanone (MIBK)	11	U	50	11	ug/L			07/13/23 09:02	10
Acetone	100	U	200	100	ug/L			07/13/23 09:02	10
Benzene	7.2	J	10	1.5	ug/L			07/13/23 09:02	10
Bromobenzene	1.6	U	10	1.6	ug/L			07/13/23 09:02	10
Chlorobromomethane	4.8	U	10	4.8	ug/L			07/13/23 09:02	10
Dichlorobromomethane	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
Bromoform	2.2	U	10	2.2	ug/L			07/13/23 09:02	10
Bromomethane	1.4	U	10	1.4	ug/L			07/13/23 09:02	10
Carbon disulfide	15	U	50	15	ug/L			07/13/23 09:02	10
Carbon tetrachloride	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
Chlorobenzene	580		10	1.7	ug/L			07/13/23 09:02	10
sec-Butylbenzene	1.0	U	10	1.0	ug/L			07/13/23 09:02	10
Dichlorodifluoromethane	2.0	U	10	2.0	ug/L			07/13/23 09:02	10
Vinyl chloride	41		10	3.2	ug/L			07/13/23 09:02	10
Styrene	1.1	U	10	1.1	ug/L			07/13/23 09:02	10
tert-Butylbenzene	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
Tetrachloroethene	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
Toluene	1.4	U	10	1.4	ug/L			07/13/23 09:02	10
trans-1,2-Dichloroethene	2.1	U	10	2.1	ug/L			07/13/23 09:02	10
trans-1,3-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 09:02	10
Trichloroethene	1.5	U	10	1.5	ug/L			07/13/23 09:02	10
Trichlorofluoromethane	2.4	U	10	2.4	ug/L			07/13/23 09:02	10
Chloroethane	2.3	U	10	2.3	ug/L			07/13/23 09:02	10
Chloroform	1.8	U	10	1.8	ug/L			07/13/23 09:02	10
Chloromethane	1.3	U	10	1.3	ug/L			07/13/23 09:02	10
cis-1,2-Dichloroethene	46		10	1.5	ug/L			07/13/23 09:02	10
cis-1,3-Dichloropropene	2.0	U	10	2.0	ug/L			07/13/23 09:02	10
Chlorodibromomethane	1.7	U	10	1.7	ug/L			07/13/23 09:02	10
Dibromomethane	2.7	U	10	2.7	ug/L			07/13/23 09:02	10
Ethylbenzene	1.3	U	10	1.3	ug/L			07/13/23 09:02	10

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-3

Date Collected: 07/06/23 09:30

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	2.2	U	10	2.2	ug/L			07/13/23 09:02	10
Isopropyl ether	3.6	U	10	3.6	ug/L			07/13/23 09:02	10
Isopropylbenzene	1.4	U	10	1.4	ug/L			07/13/23 09:02	10
m-Xylene & p-Xylene	1.7	U	20	1.7	ug/L			07/13/23 09:02	10
Methylene Chloride	2.3	U	10	2.3	ug/L			07/13/23 09:02	10
Xylenes, Total	4.5	U	30	4.5	ug/L			07/13/23 09:02	10
N-Propylbenzene	1.2	U	10	1.2	ug/L			07/13/23 09:02	10
n-Butylbenzene	0.58	U	10	0.58	ug/L			07/13/23 09:02	10
Naphthalene	1.1	U	10	1.1	ug/L			07/13/23 09:02	10
1,2,3-Trichloropropane	4.9	U	10	4.9	ug/L			07/13/23 09:02	10
1,3,5-Trimethylbenzene	3.0	U	10	3.0	ug/L			07/13/23 09:02	10
o-Xylene	1.2	J B	10	0.65	ug/L			07/13/23 09:02	10
1,2,3-Trichlorobenzene	0.12	U	10	0.12	ug/L			07/13/23 09:02	10
Methyl tert-butyl ether	1.6	U	10	1.6	ug/L			07/13/23 09:02	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		67 - 129		07/13/23 09:02	10
4-Bromofluorobenzene (Surr)	114		53 - 136		07/13/23 09:02	10
Toluene-d8 (Surr)	111		59 - 134		07/13/23 09:02	10

Client Sample ID: AW-4

Date Collected: 07/06/23 09:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-3

Matrix: 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	220		5.0	3.2	ug/L			07/12/23 16:23	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130		07/12/23 16:23	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	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
1,1,1-Trichloroethane	1.2	U	10	1.2	ug/L			07/13/23 09:31	10
1,1,1,2,2-Tetrachloroethane	2.8	U	10	2.8	ug/L			07/13/23 09:31	10
1,1,2-Trichloroethane	1.4	U	10	1.4	ug/L			07/13/23 09:31	10
1,1-Dichloroethane	42		10	1.3	ug/L			07/13/23 09:31	10
1,1-Dichloroethene	2.1	U	10	2.1	ug/L			07/13/23 09:31	10
1,1-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 09:31	10
1,2,4-Trichlorobenzene	1.4	U	10	1.4	ug/L			07/13/23 09:31	10
1,2,4-Trimethylbenzene	1.0	U	10	1.0	ug/L			07/13/23 09:31	10
1,2-Dibromo-3-Chloropropane	4.8	U	10	4.8	ug/L			07/13/23 09:31	10
1,2-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 09:31	10
1,2-Dichloroethane	2.1	U	10	2.1	ug/L			07/13/23 09:31	10
1,2-Dichloropropane	1.0	U	10	1.0	ug/L			07/13/23 09:31	10
1,2-Dibromoethane (EDB)	6.6	U	10	6.6	ug/L			07/13/23 09:31	10
1,3-Dichlorobenzene	1.5	U	10	1.5	ug/L			07/13/23 09:31	10
1,3-Dichloropropane	1.6	U	10	1.6	ug/L			07/13/23 09:31	10
1,4-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 09:31	10
2,2-Dichloropropane	2.8	U	10	2.8	ug/L			07/13/23 09:31	10

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-4

Lab Sample ID: 752-9097-3

Date Collected: 07/06/23 09:55

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	100	U	200	100	ug/L			07/13/23 09:31	10
2-Chloroethyl vinyl ether	11	U	50	11	ug/L			07/13/23 09:31	10
2-Chlorotoluene	0.81	U	10	0.81	ug/L			07/13/23 09:31	10
2-Hexanone	8.8	U	50	8.8	ug/L			07/13/23 09:31	10
3-Chloro-1-propene	1.1	U	10	1.1	ug/L			07/13/23 09:31	10
4-Chlorotoluene	0.68	U	10	0.68	ug/L			07/13/23 09:31	10
4-Isopropyltoluene	0.85	U	10	0.85	ug/L			07/13/23 09:31	10
4-Methyl-2-pentanone (MIBK)	11	U	50	11	ug/L			07/13/23 09:31	10
Acetone	100	U	200	100	ug/L			07/13/23 09:31	10
Benzene	7.6	J	10	1.5	ug/L			07/13/23 09:31	10
Bromobenzene	1.6	U	10	1.6	ug/L			07/13/23 09:31	10
Chlorobromomethane	4.8	U	10	4.8	ug/L			07/13/23 09:31	10
Dichlorobromomethane	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
Bromoform	2.2	U	10	2.2	ug/L			07/13/23 09:31	10
Bromomethane	1.4	U	10	1.4	ug/L			07/13/23 09:31	10
Carbon disulfide	15	U	50	15	ug/L			07/13/23 09:31	10
Carbon tetrachloride	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
Chlorobenzene	490		10	1.7	ug/L			07/13/23 09:31	10
sec-Butylbenzene	1.0	U	10	1.0	ug/L			07/13/23 09:31	10
Dichlorodifluoromethane	2.0	U	10	2.0	ug/L			07/13/23 09:31	10
Vinyl chloride	32		10	3.2	ug/L			07/13/23 09:31	10
Styrene	1.1	U	10	1.1	ug/L			07/13/23 09:31	10
tert-Butylbenzene	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
Tetrachloroethene	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
Toluene	3.1	J	10	1.4	ug/L			07/13/23 09:31	10
trans-1,2-Dichloroethene	2.1	U	10	2.1	ug/L			07/13/23 09:31	10
trans-1,3-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 09:31	10
Trichloroethene	1.5	U	10	1.5	ug/L			07/13/23 09:31	10
Trichlorofluoromethane	2.4	U	10	2.4	ug/L			07/13/23 09:31	10
Chloroethane	140		10	2.3	ug/L			07/13/23 09:31	10
Chloroform	1.8	U	10	1.8	ug/L			07/13/23 09:31	10
Chloromethane	1.3	U	10	1.3	ug/L			07/13/23 09:31	10
cis-1,2-Dichloroethene	30		10	1.5	ug/L			07/13/23 09:31	10
cis-1,3-Dichloropropene	2.0	U	10	2.0	ug/L			07/13/23 09:31	10
Chlorodibromomethane	1.7	U	10	1.7	ug/L			07/13/23 09:31	10
Dibromomethane	2.7	U	10	2.7	ug/L			07/13/23 09:31	10
Ethylbenzene	1.3	U	10	1.3	ug/L			07/13/23 09:31	10
Hexachlorobutadiene	2.2	U	10	2.2	ug/L			07/13/23 09:31	10
Isopropyl ether	3.6	U	10	3.6	ug/L			07/13/23 09:31	10
Isopropylbenzene	1.4	U	10	1.4	ug/L			07/13/23 09:31	10
m-Xylene & p-Xylene	3.2	J B	20	1.7	ug/L			07/13/23 09:31	10
Methylene Chloride	2.3	U	10	2.3	ug/L			07/13/23 09:31	10
Xylenes, Total	6.0	J	30	4.5	ug/L			07/13/23 09:31	10
N-Propylbenzene	1.2	U	10	1.2	ug/L			07/13/23 09:31	10
n-Butylbenzene	0.58	U	10	0.58	ug/L			07/13/23 09:31	10
Naphthalene	1.1	U	10	1.1	ug/L			07/13/23 09:31	10
1,2,3-Trichloropropane	4.9	U	10	4.9	ug/L			07/13/23 09:31	10
1,3,5-Trimethylbenzene	3.0	U	10	3.0	ug/L			07/13/23 09:31	10
o-Xylene	2.8	J B	10	0.65	ug/L			07/13/23 09:31	10

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-4

Date Collected: 07/06/23 09:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	0.12	U	10	0.12	ug/L			07/13/23 09:31	10
Methyl tert-butyl ether	1.6	U	10	1.6	ug/L			07/13/23 09:31	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		67 - 129					07/13/23 09:31	10
4-Bromofluorobenzene (Surr)	114		53 - 136					07/13/23 09:31	10
Toluene-d8 (Surr)	110		59 - 134					07/13/23 09:31	10

Client Sample ID: AWB-4

Date Collected: 07/06/23 09:10

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-4

Matrix: 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	860		25	16	ug/L			07/12/23 18:06	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130					07/12/23 18:06	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	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
1,1,1-Trichloroethane	6.0	U	50	6.0	ug/L			07/13/23 10:01	50
1,1,2,2-Tetrachloroethane	14	U	50	14	ug/L			07/13/23 10:01	50
1,1,2-Trichloroethane	7.0	U	50	7.0	ug/L			07/13/23 10:01	50
1,1-Dichloroethane	300		50	6.5	ug/L			07/13/23 10:01	50
1,1-Dichloroethene	11	U	50	11	ug/L			07/13/23 10:01	50
1,1-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 10:01	50
1,2,4-Trichlorobenzene	7.0	U	50	7.0	ug/L			07/13/23 10:01	50
1,2,4-Trimethylbenzene	5.0	U	50	5.0	ug/L			07/13/23 10:01	50
1,2-Dibromo-3-Chloropropane	24	U	50	24	ug/L			07/13/23 10:01	50
1,2-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 10:01	50
1,2-Dichloroethane	130		50	11	ug/L			07/13/23 10:01	50
1,2-Dichloropropane	5.0	U	50	5.0	ug/L			07/13/23 10:01	50
1,2-Dibromoethane (EDB)	33	U	50	33	ug/L			07/13/23 10:01	50
1,3-Dichlorobenzene	7.5	U	50	7.5	ug/L			07/13/23 10:01	50
1,3-Dichloropropane	8.0	U	50	8.0	ug/L			07/13/23 10:01	50
1,4-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 10:01	50
2,2-Dichloropropane	14	U	50	14	ug/L			07/13/23 10:01	50
2-Butanone (MEK)	500	U	1000	500	ug/L			07/13/23 10:01	50
2-Chloroethyl vinyl ether	55	U	250	55	ug/L			07/13/23 10:01	50
2-Chlorotoluene	4.1	U	50	4.1	ug/L			07/13/23 10:01	50
2-Hexanone	44	U	250	44	ug/L			07/13/23 10:01	50
3-Chloro-1-propene	5.5	U	50	5.5	ug/L			07/13/23 10:01	50
4-Chlorotoluene	3.4	U	50	3.4	ug/L			07/13/23 10:01	50
4-Isopropyltoluene	4.3	U	50	4.3	ug/L			07/13/23 10:01	50
4-Methyl-2-pentanone (MIBK)	55	U	250	55	ug/L			07/13/23 10:01	50
Acetone	500	U	1000	500	ug/L			07/13/23 10:01	50
Benzene	7.5	U	50	7.5	ug/L			07/13/23 10:01	50
Bromobenzene	8.0	U	50	8.0	ug/L			07/13/23 10:01	50
Chlorobromomethane	24	U	50	24	ug/L			07/13/23 10:01	50

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AWB-4

Lab Sample ID: 752-9097-4

Date Collected: 07/06/23 09:10

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
Bromoform	11	U	50	11	ug/L			07/13/23 10:01	50
Bromomethane	7.0	U	50	7.0	ug/L			07/13/23 10:01	50
Carbon disulfide	75	U	250	75	ug/L			07/13/23 10:01	50
Carbon tetrachloride	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
Chlorobenzene	2300		50	8.5	ug/L			07/13/23 10:01	50
sec-Butylbenzene	5.0	U	50	5.0	ug/L			07/13/23 10:01	50
Dichlorodifluoromethane	10	U	50	10	ug/L			07/13/23 10:01	50
Vinyl chloride	77		50	16	ug/L			07/13/23 10:01	50
Styrene	5.5	U	50	5.5	ug/L			07/13/23 10:01	50
tert-Butylbenzene	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
Tetrachloroethene	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
Toluene	7.0	U	50	7.0	ug/L			07/13/23 10:01	50
trans-1,2-Dichloroethene	11	U	50	11	ug/L			07/13/23 10:01	50
trans-1,3-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 10:01	50
Trichloroethene	7.5	U	50	7.5	ug/L			07/13/23 10:01	50
Trichlorofluoromethane	12	U	50	12	ug/L			07/13/23 10:01	50
Chloroethane	12	U	50	12	ug/L			07/13/23 10:01	50
Chloroform	9.0	U	50	9.0	ug/L			07/13/23 10:01	50
Chloromethane	6.5	U	50	6.5	ug/L			07/13/23 10:01	50
cis-1,2-Dichloroethene	60		50	7.5	ug/L			07/13/23 10:01	50
cis-1,3-Dichloropropene	10	U	50	10	ug/L			07/13/23 10:01	50
Chlorodibromomethane	8.5	U	50	8.5	ug/L			07/13/23 10:01	50
Dibromomethane	14	U	50	14	ug/L			07/13/23 10:01	50
Ethylbenzene	6.5	U	50	6.5	ug/L			07/13/23 10:01	50
Hexachlorobutadiene	11	U	50	11	ug/L			07/13/23 10:01	50
Isopropyl ether	18	U	50	18	ug/L			07/13/23 10:01	50
Isopropylbenzene	7.0	U	50	7.0	ug/L			07/13/23 10:01	50
m-Xylene & p-Xylene	8.5	U	100	8.5	ug/L			07/13/23 10:01	50
Methylene Chloride	12	U	50	12	ug/L			07/13/23 10:01	50
Xylenes, Total	23	U	150	23	ug/L			07/13/23 10:01	50
N-Propylbenzene	6.0	U	50	6.0	ug/L			07/13/23 10:01	50
n-Butylbenzene	2.9	U	50	2.9	ug/L			07/13/23 10:01	50
Naphthalene	5.5	U	50	5.5	ug/L			07/13/23 10:01	50
1,2,3-Trichloropropane	25	U	50	25	ug/L			07/13/23 10:01	50
1,3,5-Trimethylbenzene	15	U	50	15	ug/L			07/13/23 10:01	50
o-Xylene	6.8	J B	50	3.3	ug/L			07/13/23 10:01	50
1,2,3-Trichlorobenzene	0.60	U	50	0.60	ug/L			07/13/23 10:01	50
Methyl tert-butyl ether	8.0	U	50	8.0	ug/L			07/13/23 10:01	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	104		67 - 129		07/13/23 10:01	50
4-Bromofluorobenzene (Surr)	113		53 - 136		07/13/23 10:01	50
Toluene-d8 (Surr)	108		59 - 134		07/13/23 10:01	50

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: MW-7B

Lab Sample ID: 752-9097-5

Date Collected: 07/06/23 11:40

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	40000		1300	800	ug/L			07/12/23 21:05	2500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	106		70 - 130					07/12/23 21:05	2500

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	85	U	500	85	ug/L			07/13/23 10:31	500
1,1,1-Trichloroethane	4200		500	60	ug/L			07/13/23 10:31	500
1,1,2,2-Tetrachloroethane	140	U	500	140	ug/L			07/13/23 10:31	500
1,1,2-Trichloroethane	70	U	500	70	ug/L			07/13/23 10:31	500
1,1-Dichloroethane	26000		500	65	ug/L			07/13/23 10:31	500
1,1-Dichloroethene	11000		500	110	ug/L			07/13/23 10:31	500
1,1-Dichloropropene	75	U	500	75	ug/L			07/13/23 10:31	500
1,2,4-Trichlorobenzene	70	U	500	70	ug/L			07/13/23 10:31	500
1,2,4-Trimethylbenzene	50	U	500	50	ug/L			07/13/23 10:31	500
1,2-Dibromo-3-Chloropropane	240	U	500	240	ug/L			07/13/23 10:31	500
1,2-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 10:31	500
1,2-Dichloroethane	5300		500	110	ug/L			07/13/23 10:31	500
1,2-Dichloropropane	50	U	500	50	ug/L			07/13/23 10:31	500
1,2-Dibromoethane (EDB)	330	U	500	330	ug/L			07/13/23 10:31	500
1,3-Dichlorobenzene	75	U	500	75	ug/L			07/13/23 10:31	500
1,3-Dichloropropane	80	U	500	80	ug/L			07/13/23 10:31	500
1,4-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 10:31	500
2,2-Dichloropropane	140	U	500	140	ug/L			07/13/23 10:31	500
2-Butanone (MEK)	5000	U	10000	5000	ug/L			07/13/23 10:31	500
2-Chloroethyl vinyl ether	550	U	2500	550	ug/L			07/13/23 10:31	500
2-Chlorotoluene	41	U	500	41	ug/L			07/13/23 10:31	500
2-Hexanone	440	U	2500	440	ug/L			07/13/23 10:31	500
3-Chloro-1-propene	55	U	500	55	ug/L			07/13/23 10:31	500
4-Chlorotoluene	34	U	500	34	ug/L			07/13/23 10:31	500
4-Isopropyltoluene	43	U	500	43	ug/L			07/13/23 10:31	500
4-Methyl-2-pentanone (MIBK)	6000		2500	550	ug/L			07/13/23 10:31	500
Acetone	5000	U	10000	5000	ug/L			07/13/23 10:31	500
Benzene	460	J	500	75	ug/L			07/13/23 10:31	500
Bromobenzene	80	U	500	80	ug/L			07/13/23 10:31	500
Chlorobromomethane	240	U	500	240	ug/L			07/13/23 10:31	500
Dichlorobromomethane	85	U	500	85	ug/L			07/13/23 10:31	500
Bromoform	110	U	500	110	ug/L			07/13/23 10:31	500
Bromomethane	70	U	500	70	ug/L			07/13/23 10:31	500
Carbon disulfide	750	U	2500	750	ug/L			07/13/23 10:31	500
Carbon tetrachloride	85	U	500	85	ug/L			07/13/23 10:31	500
Chlorobenzene	45000		500	85	ug/L			07/13/23 10:31	500
sec-Butylbenzene	50	U	500	50	ug/L			07/13/23 10:31	500
Dichlorodifluoromethane	100	U	500	100	ug/L			07/13/23 10:31	500
Vinyl chloride	29000		500	160	ug/L			07/13/23 10:31	500
Styrene	55	U	500	55	ug/L			07/13/23 10:31	500
tert-Butylbenzene	85	U	500	85	ug/L			07/13/23 10:31	500
Tetrachloroethene	2900		500	85	ug/L			07/13/23 10:31	500
Toluene	12000		500	70	ug/L			07/13/23 10:31	500

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: MW-7B

Lab Sample ID: 752-9097-5

Date Collected: 07/06/23 11:40

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	110	U	500	110	ug/L			07/13/23 10:31	500
trans-1,3-Dichloropropene	75	U	500	75	ug/L			07/13/23 10:31	500
Trichloroethene	75	U	500	75	ug/L			07/13/23 10:31	500
Trichlorofluoromethane	120	U	500	120	ug/L			07/13/23 10:31	500
Chloroethane	11000		500	120	ug/L			07/13/23 10:31	500
Chloroform	90	U	500	90	ug/L			07/13/23 10:31	500
Chloromethane	65	U	500	65	ug/L			07/13/23 10:31	500
cis-1,2-Dichloroethene	31000		500	75	ug/L			07/13/23 10:31	500
cis-1,3-Dichloropropene	100	U	500	100	ug/L			07/13/23 10:31	500
Chlorodibromomethane	85	U	500	85	ug/L			07/13/23 10:31	500
Dibromomethane	140	U	500	140	ug/L			07/13/23 10:31	500
Ethylbenzene	600		500	65	ug/L			07/13/23 10:31	500
Hexachlorobutadiene	110	U	500	110	ug/L			07/13/23 10:31	500
Isopropyl ether	1300		500	180	ug/L			07/13/23 10:31	500
Isopropylbenzene	70	U	500	70	ug/L			07/13/23 10:31	500
m-Xylene & p-Xylene	2500	B	1000	85	ug/L			07/13/23 10:31	500
Methylene Chloride	41000		500	120	ug/L			07/13/23 10:31	500
Xylenes, Total	3400		1500	230	ug/L			07/13/23 10:31	500
N-Propylbenzene	60	U	500	60	ug/L			07/13/23 10:31	500
n-Butylbenzene	29	U	500	29	ug/L			07/13/23 10:31	500
Naphthalene	55	U	500	55	ug/L			07/13/23 10:31	500
1,2,3-Trichloropropane	250	U	500	250	ug/L			07/13/23 10:31	500
1,3,5-Trimethylbenzene	150	U	500	150	ug/L			07/13/23 10:31	500
o-Xylene	890	B	500	33	ug/L			07/13/23 10:31	500
1,2,3-Trichlorobenzene	6.0	U	500	6.0	ug/L			07/13/23 10:31	500
Methyl tert-butyl ether	80	U	500	80	ug/L			07/13/23 10:31	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		67 - 129		07/13/23 10:31	500
4-Bromofluorobenzene (Surr)	114		53 - 136		07/13/23 10:31	500
Toluene-d8 (Surr)	108		59 - 134		07/13/23 10:31	500

Client Sample ID: OW-SF1

Lab Sample ID: 752-9097-6

Date Collected: 07/06/23 12:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	4800		130	80	ug/L			07/12/23 18:57	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130		07/12/23 18:57	250

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	34	U	200	34	ug/L			07/13/23 11:01	200
1,1,1-Trichloroethane	520		200	24	ug/L			07/13/23 11:01	200
1,1,1,2,2-Tetrachloroethane	56	U	200	56	ug/L			07/13/23 11:01	200
1,1,2-Trichloroethane	28	U	200	28	ug/L			07/13/23 11:01	200
1,1-Dichloroethane	6800		200	26	ug/L			07/13/23 11:01	200
1,1-Dichloroethene	3200		200	42	ug/L			07/13/23 11:01	200

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: OW-SF1

Lab Sample ID: 752-9097-6

Date Collected: 07/06/23 12:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	30	U	200	30	ug/L			07/13/23 11:01	200
1,2,4-Trichlorobenzene	28	U	200	28	ug/L			07/13/23 11:01	200
1,2,4-Trimethylbenzene	20	U	200	20	ug/L			07/13/23 11:01	200
1,2-Dibromo-3-Chloropropane	96	U	200	96	ug/L			07/13/23 11:01	200
1,2-Dichlorobenzene	38	U	200	38	ug/L			07/13/23 11:01	200
1,2-Dichloroethane	320		200	42	ug/L			07/13/23 11:01	200
1,2-Dichloropropane	20	U	200	20	ug/L			07/13/23 11:01	200
1,2-Dibromoethane (EDB)	130	U	200	130	ug/L			07/13/23 11:01	200
1,3-Dichlorobenzene	30	U	200	30	ug/L			07/13/23 11:01	200
1,3-Dichloropropane	32	U	200	32	ug/L			07/13/23 11:01	200
1,4-Dichlorobenzene	38	U	200	38	ug/L			07/13/23 11:01	200
2,2-Dichloropropane	56	U	200	56	ug/L			07/13/23 11:01	200
2-Butanone (MEK)	2000	U	4000	2000	ug/L			07/13/23 11:01	200
2-Chloroethyl vinyl ether	220	U	1000	220	ug/L			07/13/23 11:01	200
2-Chlorotoluene	16	U	200	16	ug/L			07/13/23 11:01	200
2-Hexanone	180	U	1000	180	ug/L			07/13/23 11:01	200
3-Chloro-1-propene	22	U	200	22	ug/L			07/13/23 11:01	200
4-Chlorotoluene	14	U	200	14	ug/L			07/13/23 11:01	200
4-Isopropyltoluene	17	U	200	17	ug/L			07/13/23 11:01	200
4-Methyl-2-pentanone (MIBK)	220	U	1000	220	ug/L			07/13/23 11:01	200
Acetone	2000	U	4000	2000	ug/L			07/13/23 11:01	200
Benzene	30	U	200	30	ug/L			07/13/23 11:01	200
Bromobenzene	32	U	200	32	ug/L			07/13/23 11:01	200
Chlorobromomethane	96	U	200	96	ug/L			07/13/23 11:01	200
Dichlorobromomethane	34	U	200	34	ug/L			07/13/23 11:01	200
Bromoform	44	U	200	44	ug/L			07/13/23 11:01	200
Bromomethane	28	U	200	28	ug/L			07/13/23 11:01	200
Carbon disulfide	300	U	1000	300	ug/L			07/13/23 11:01	200
Carbon tetrachloride	34	U	200	34	ug/L			07/13/23 11:01	200
Chlorobenzene	5200		200	34	ug/L			07/13/23 11:01	200
sec-Butylbenzene	20	U	200	20	ug/L			07/13/23 11:01	200
Dichlorodifluoromethane	40	U	200	40	ug/L			07/13/23 11:01	200
Vinyl chloride	9900		200	64	ug/L			07/13/23 11:01	200
Styrene	22	U	200	22	ug/L			07/13/23 11:01	200
tert-Butylbenzene	34	U	200	34	ug/L			07/13/23 11:01	200
Tetrachloroethene	34	U	200	34	ug/L			07/13/23 11:01	200
Toluene	900		200	28	ug/L			07/13/23 11:01	200
trans-1,2-Dichloroethene	42	U	200	42	ug/L			07/13/23 11:01	200
trans-1,3-Dichloropropene	30	U	200	30	ug/L			07/13/23 11:01	200
Trichloroethene	30	U	200	30	ug/L			07/13/23 11:01	200
Trichlorofluoromethane	48	U	200	48	ug/L			07/13/23 11:01	200
Chloroethane	420		200	46	ug/L			07/13/23 11:01	200
Chloroform	36	U	200	36	ug/L			07/13/23 11:01	200
Chloromethane	26	U	200	26	ug/L			07/13/23 11:01	200
cis-1,2-Dichloroethene	10000		200	30	ug/L			07/13/23 11:01	200
cis-1,3-Dichloropropene	40	U	200	40	ug/L			07/13/23 11:01	200
Chlorodibromomethane	34	U	200	34	ug/L			07/13/23 11:01	200
Dibromomethane	54	U	200	54	ug/L			07/13/23 11:01	200
Ethylbenzene	26	U	200	26	ug/L			07/13/23 11:01	200

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: OW-SF1

Lab Sample ID: 752-9097-6

Date Collected: 07/06/23 12:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	44	U	200	44	ug/L			07/13/23 11:01	200
Isopropyl ether	72	U	200	72	ug/L			07/13/23 11:01	200
Isopropylbenzene	28	U	200	28	ug/L			07/13/23 11:01	200
m-Xylene & p-Xylene	210	J B	400	34	ug/L			07/13/23 11:01	200
Methylene Chloride	46	U	200	46	ug/L			07/13/23 11:01	200
Xylenes, Total	320	J	600	90	ug/L			07/13/23 11:01	200
N-Propylbenzene	24	U	200	24	ug/L			07/13/23 11:01	200
n-Butylbenzene	12	U	200	12	ug/L			07/13/23 11:01	200
Naphthalene	22	U	200	22	ug/L			07/13/23 11:01	200
1,2,3-Trichloropropane	98	U	200	98	ug/L			07/13/23 11:01	200
1,3,5-Trimethylbenzene	60	U	200	60	ug/L			07/13/23 11:01	200
o-Xylene	110	J B	200	13	ug/L			07/13/23 11:01	200
1,2,3-Trichlorobenzene	2.4	U	200	2.4	ug/L			07/13/23 11:01	200
Methyl tert-butyl ether	32	U	200	32	ug/L			07/13/23 11:01	200
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	102		67 - 129					07/13/23 11:01	200
4-Bromofluorobenzene (Surr)	113		53 - 136					07/13/23 11:01	200
Toluene-d8 (Surr)	114		59 - 134					07/13/23 11:01	200

Client Sample ID: OW-SIS1

Lab Sample ID: 752-9097-7

Date Collected: 07/06/23 10:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	3800		250	160	ug/L			07/12/23 19:48	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	112		70 - 130					07/12/23 19:48	500

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	17	U	100	17	ug/L			07/13/23 11:31	100
1,1,1-Trichloroethane	180		100	12	ug/L			07/13/23 11:31	100
1,1,1,2-Tetrachloroethane	28	U	100	28	ug/L			07/13/23 11:31	100
1,1,2-Trichloroethane	14	U	100	14	ug/L			07/13/23 11:31	100
1,1-Dichloroethane	2300		100	13	ug/L			07/13/23 11:31	100
1,1-Dichloroethene	560		100	21	ug/L			07/13/23 11:31	100
1,1-Dichloropropene	15	U	100	15	ug/L			07/13/23 11:31	100
1,2,4-Trichlorobenzene	14	U	100	14	ug/L			07/13/23 11:31	100
1,2,4-Trimethylbenzene	10	U	100	10	ug/L			07/13/23 11:31	100
1,2-Dibromo-3-Chloropropane	48	U	100	48	ug/L			07/13/23 11:31	100
1,2-Dichlorobenzene	19	U	100	19	ug/L			07/13/23 11:31	100
1,2-Dichloroethane	140		100	21	ug/L			07/13/23 11:31	100
1,2-Dichloropropane	10	U	100	10	ug/L			07/13/23 11:31	100
1,2-Dibromoethane (EDB)	66	U	100	66	ug/L			07/13/23 11:31	100
1,3-Dichlorobenzene	15	U	100	15	ug/L			07/13/23 11:31	100
1,3-Dichloropropane	16	U	100	16	ug/L			07/13/23 11:31	100
1,4-Dichlorobenzene	19	U	100	19	ug/L			07/13/23 11:31	100
2,2-Dichloropropane	28	U	100	28	ug/L			07/13/23 11:31	100

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: OW-SIS1

Lab Sample ID: 752-9097-7

Date Collected: 07/06/23 10:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	1000	U	2000	1000	ug/L			07/13/23 11:31	100
2-Chloroethyl vinyl ether	110	U	500	110	ug/L			07/13/23 11:31	100
2-Chlorotoluene	8.1	U	100	8.1	ug/L			07/13/23 11:31	100
2-Hexanone	88	U	500	88	ug/L			07/13/23 11:31	100
3-Chloro-1-propene	11	U	100	11	ug/L			07/13/23 11:31	100
4-Chlorotoluene	6.8	U	100	6.8	ug/L			07/13/23 11:31	100
4-Isopropyltoluene	8.5	U	100	8.5	ug/L			07/13/23 11:31	100
4-Methyl-2-pentanone (MIBK)	110	U	500	110	ug/L			07/13/23 11:31	100
Acetone	1000	U	2000	1000	ug/L			07/13/23 11:31	100
Benzene	15	U	100	15	ug/L			07/13/23 11:31	100
Bromobenzene	16	U	100	16	ug/L			07/13/23 11:31	100
Chlorobromomethane	48	U	100	48	ug/L			07/13/23 11:31	100
Dichlorobromomethane	17	U	100	17	ug/L			07/13/23 11:31	100
Bromoform	22	U	100	22	ug/L			07/13/23 11:31	100
Bromomethane	14	U	100	14	ug/L			07/13/23 11:31	100
Carbon disulfide	150	U	500	150	ug/L			07/13/23 11:31	100
Carbon tetrachloride	17	U	100	17	ug/L			07/13/23 11:31	100
Chlorobenzene	7200		100	17	ug/L			07/13/23 11:31	100
sec-Butylbenzene	10	U	100	10	ug/L			07/13/23 11:31	100
Dichlorodifluoromethane	20	U	100	20	ug/L			07/13/23 11:31	100
Vinyl chloride	2300		100	32	ug/L			07/13/23 11:31	100
Styrene	11	U	100	11	ug/L			07/13/23 11:31	100
tert-Butylbenzene	17	U	100	17	ug/L			07/13/23 11:31	100
Tetrachloroethene	17	U	100	17	ug/L			07/13/23 11:31	100
Toluene	35 J		100	14	ug/L			07/13/23 11:31	100
trans-1,2-Dichloroethene	21	U	100	21	ug/L			07/13/23 11:31	100
trans-1,3-Dichloropropene	15	U	100	15	ug/L			07/13/23 11:31	100
Trichloroethene	15	U	100	15	ug/L			07/13/23 11:31	100
Trichlorofluoromethane	24	U	100	24	ug/L			07/13/23 11:31	100
Chloroethane	330		100	23	ug/L			07/13/23 11:31	100
Chloroform	18	U	100	18	ug/L			07/13/23 11:31	100
Chloromethane	13	U	100	13	ug/L			07/13/23 11:31	100
cis-1,2-Dichloroethene	2000		100	15	ug/L			07/13/23 11:31	100
cis-1,3-Dichloropropene	20	U	100	20	ug/L			07/13/23 11:31	100
Chlorodibromomethane	17	U	100	17	ug/L			07/13/23 11:31	100
Dibromomethane	27	U	100	27	ug/L			07/13/23 11:31	100
Ethylbenzene	13	U	100	13	ug/L			07/13/23 11:31	100
Hexachlorobutadiene	22	U	100	22	ug/L			07/13/23 11:31	100
Isopropyl ether	51 J		100	36	ug/L			07/13/23 11:31	100
Isopropylbenzene	14	U	100	14	ug/L			07/13/23 11:31	100
m-Xylene & p-Xylene	17	U	200	17	ug/L			07/13/23 11:31	100
Methylene Chloride	23	U	100	23	ug/L			07/13/23 11:31	100
Xylenes, Total	45	U	300	45	ug/L			07/13/23 11:31	100
N-Propylbenzene	12	U	100	12	ug/L			07/13/23 11:31	100
n-Butylbenzene	5.8	U	100	5.8	ug/L			07/13/23 11:31	100
Naphthalene	11	U	100	11	ug/L			07/13/23 11:31	100
1,2,3-Trichloropropane	49	U	100	49	ug/L			07/13/23 11:31	100
1,3,5-Trimethylbenzene	30	U	100	30	ug/L			07/13/23 11:31	100
o-Xylene	19 J B		100	6.5	ug/L			07/13/23 11:31	100

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: OW-SIS1

Lab Sample ID: 752-9097-7

Date Collected: 07/06/23 10:15

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	1.2	U	100	1.2	ug/L			07/13/23 11:31	100
Methyl tert-butyl ether	16	U	100	16	ug/L			07/13/23 11:31	100
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	103		67 - 129					07/13/23 11:31	100
4-Bromofluorobenzene (Surr)	114		53 - 136					07/13/23 11:31	100
Toluene-d8 (Surr)	107		59 - 134					07/13/23 11:31	100

Client Sample ID: PW-3D

Lab Sample ID: 752-9097-8

Date Collected: 07/06/23 12:35

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	130		5.0	3.2	ug/L			07/12/23 16:49	10
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130					07/12/23 16:49	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	85	U	500	85	ug/L			07/13/23 12:00	500
1,1,1-Trichloroethane	780		500	60	ug/L			07/13/23 12:00	500
1,1,2,2-Tetrachloroethane	140	U	500	140	ug/L			07/13/23 12:00	500
1,1,2-Trichloroethane	70	U	500	70	ug/L			07/13/23 12:00	500
1,1-Dichloroethane	660		500	65	ug/L			07/13/23 12:00	500
1,1-Dichloroethene	1600		500	110	ug/L			07/13/23 12:00	500
1,1-Dichloropropene	75	U	500	75	ug/L			07/13/23 12:00	500
1,2,4-Trichlorobenzene	70	U	500	70	ug/L			07/13/23 12:00	500
1,2,4-Trimethylbenzene	50	U	500	50	ug/L			07/13/23 12:00	500
1,2-Dibromo-3-Chloropropane	240	U	500	240	ug/L			07/13/23 12:00	500
1,2-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 12:00	500
1,2-Dichloroethane	16000		500	110	ug/L			07/13/23 12:00	500
1,2-Dichloropropane	50	U	500	50	ug/L			07/13/23 12:00	500
1,2-Dibromoethane (EDB)	330	U	500	330	ug/L			07/13/23 12:00	500
1,3-Dichlorobenzene	75	U	500	75	ug/L			07/13/23 12:00	500
1,3-Dichloropropane	80	U	500	80	ug/L			07/13/23 12:00	500
1,4-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 12:00	500
2,2-Dichloropropane	140	U	500	140	ug/L			07/13/23 12:00	500
2-Butanone (MEK)	5000	U	10000	5000	ug/L			07/13/23 12:00	500
2-Chloroethyl vinyl ether	550	U	2500	550	ug/L			07/13/23 12:00	500
2-Chlorotoluene	41	U	500	41	ug/L			07/13/23 12:00	500
2-Hexanone	440	U	2500	440	ug/L			07/13/23 12:00	500
3-Chloro-1-propene	55	U	500	55	ug/L			07/13/23 12:00	500
4-Chlorotoluene	34	U	500	34	ug/L			07/13/23 12:00	500
4-Isopropyltoluene	43	U	500	43	ug/L			07/13/23 12:00	500
4-Methyl-2-pentanone (MIBK)	550	U	2500	550	ug/L			07/13/23 12:00	500
Acetone	5000	U	10000	5000	ug/L			07/13/23 12:00	500
Benzene	75	U	500	75	ug/L			07/13/23 12:00	500
Bromobenzene	80	U	500	80	ug/L			07/13/23 12:00	500
Chlorobromomethane	240	U	500	240	ug/L			07/13/23 12:00	500

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-3D

Lab Sample ID: 752-9097-8

Date Collected: 07/06/23 12:35

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	85	U	500	85	ug/L			07/13/23 12:00	500
Bromoform	110	U	500	110	ug/L			07/13/23 12:00	500
Bromomethane	70	U	500	70	ug/L			07/13/23 12:00	500
Carbon disulfide	750	U	2500	750	ug/L			07/13/23 12:00	500
Carbon tetrachloride	85	U	500	85	ug/L			07/13/23 12:00	500
Chlorobenzene	22000		500	85	ug/L			07/13/23 12:00	500
sec-Butylbenzene	50	U	500	50	ug/L			07/13/23 12:00	500
Dichlorodifluoromethane	100	U	500	100	ug/L			07/13/23 12:00	500
Vinyl chloride	200	J	500	160	ug/L			07/13/23 12:00	500
Styrene	55	U	500	55	ug/L			07/13/23 12:00	500
tert-Butylbenzene	85	U	500	85	ug/L			07/13/23 12:00	500
Tetrachloroethene	3000		500	85	ug/L			07/13/23 12:00	500
Toluene	870		500	70	ug/L			07/13/23 12:00	500
trans-1,2-Dichloroethene	110	U	500	110	ug/L			07/13/23 12:00	500
trans-1,3-Dichloropropene	75	U	500	75	ug/L			07/13/23 12:00	500
Trichloroethene	6100		500	75	ug/L			07/13/23 12:00	500
Trichlorofluoromethane	120	U	500	120	ug/L			07/13/23 12:00	500
Chloroethane	120	U	500	120	ug/L			07/13/23 12:00	500
Chloroform	90	U	500	90	ug/L			07/13/23 12:00	500
Chloromethane	65	U	500	65	ug/L			07/13/23 12:00	500
cis-1,2-Dichloroethene	600		500	75	ug/L			07/13/23 12:00	500
cis-1,3-Dichloropropene	100	U	500	100	ug/L			07/13/23 12:00	500
Chlorodibromomethane	85	U	500	85	ug/L			07/13/23 12:00	500
Dibromomethane	140	U	500	140	ug/L			07/13/23 12:00	500
Ethylbenzene	65	U	500	65	ug/L			07/13/23 12:00	500
Hexachlorobutadiene	110	U	500	110	ug/L			07/13/23 12:00	500
Isopropyl ether	180	U	500	180	ug/L			07/13/23 12:00	500
Isopropylbenzene	70	U	500	70	ug/L			07/13/23 12:00	500
m-Xylene & p-Xylene	85	U	1000	85	ug/L			07/13/23 12:00	500
Methylene Chloride	1000		500	120	ug/L			07/13/23 12:00	500
Xylenes, Total	230	U	1500	230	ug/L			07/13/23 12:00	500
N-Propylbenzene	60	U	500	60	ug/L			07/13/23 12:00	500
n-Butylbenzene	29	U	500	29	ug/L			07/13/23 12:00	500
Naphthalene	55	U	500	55	ug/L			07/13/23 12:00	500
1,2,3-Trichloropropane	250	U	500	250	ug/L			07/13/23 12:00	500
1,3,5-Trimethylbenzene	150	U	500	150	ug/L			07/13/23 12:00	500
o-Xylene	33	U	500	33	ug/L			07/13/23 12:00	500
1,2,3-Trichlorobenzene	6.0	U	500	6.0	ug/L			07/13/23 12:00	500
Methyl tert-butyl ether	80	U	500	80	ug/L			07/13/23 12:00	500

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	107		67 - 129		07/13/23 12:00	500
4-Bromofluorobenzene (Surr)	109		53 - 136		07/13/23 12:00	500
Toluene-d8 (Surr)	110		59 - 134		07/13/23 12:00	500

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SIS7

Lab Sample ID: 752-9097-9

Date Collected: 07/06/23 10:35

Matrix: Water

Date Received: 07/07/23 09:30

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		25	16	ug/L			07/12/23 18:31	50
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130					07/12/23 18:31	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	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
1,1,1-Trichloroethane	160		50	6.0	ug/L			07/13/23 12:30	50
1,1,2,2-Tetrachloroethane	14	U	50	14	ug/L			07/13/23 12:30	50
1,1,2-Trichloroethane	7.0	U	50	7.0	ug/L			07/13/23 12:30	50
1,1-Dichloroethane	740		50	6.5	ug/L			07/13/23 12:30	50
1,1-Dichloroethene	240		50	11	ug/L			07/13/23 12:30	50
1,1-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 12:30	50
1,2,4-Trichlorobenzene	7.0	U	50	7.0	ug/L			07/13/23 12:30	50
1,2,4-Trimethylbenzene	5.0	U	50	5.0	ug/L			07/13/23 12:30	50
1,2-Dibromo-3-Chloropropane	24	U	50	24	ug/L			07/13/23 12:30	50
1,2-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 12:30	50
1,2-Dichloroethane	93		50	11	ug/L			07/13/23 12:30	50
1,2-Dichloropropane	5.0	U	50	5.0	ug/L			07/13/23 12:30	50
1,2-Dibromoethane (EDB)	33	U	50	33	ug/L			07/13/23 12:30	50
1,3-Dichlorobenzene	7.5	U	50	7.5	ug/L			07/13/23 12:30	50
1,3-Dichloropropane	8.0	U	50	8.0	ug/L			07/13/23 12:30	50
1,4-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 12:30	50
2,2-Dichloropropane	14	U	50	14	ug/L			07/13/23 12:30	50
2-Butanone (MEK)	500	U	1000	500	ug/L			07/13/23 12:30	50
2-Chloroethyl vinyl ether	55	U	250	55	ug/L			07/13/23 12:30	50
2-Chlorotoluene	4.1	U	50	4.1	ug/L			07/13/23 12:30	50
2-Hexanone	44	U	250	44	ug/L			07/13/23 12:30	50
3-Chloro-1-propene	5.5	U	50	5.5	ug/L			07/13/23 12:30	50
4-Chlorotoluene	3.4	U	50	3.4	ug/L			07/13/23 12:30	50
4-Isopropyltoluene	4.3	U	50	4.3	ug/L			07/13/23 12:30	50
4-Methyl-2-pentanone (MIBK)	55	U	250	55	ug/L			07/13/23 12:30	50
Acetone	500	U	1000	500	ug/L			07/13/23 12:30	50
Benzene	7.5	U	50	7.5	ug/L			07/13/23 12:30	50
Bromobenzene	8.0	U	50	8.0	ug/L			07/13/23 12:30	50
Chlorobromomethane	24	U	50	24	ug/L			07/13/23 12:30	50
Dichlorobromomethane	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
Bromoform	11	U	50	11	ug/L			07/13/23 12:30	50
Bromomethane	7.0	U	50	7.0	ug/L			07/13/23 12:30	50
Carbon disulfide	75	U	250	75	ug/L			07/13/23 12:30	50
Carbon tetrachloride	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
Chlorobenzene	1900		50	8.5	ug/L			07/13/23 12:30	50
sec-Butylbenzene	5.0	U	50	5.0	ug/L			07/13/23 12:30	50
Dichlorodifluoromethane	10	U	50	10	ug/L			07/13/23 12:30	50
Vinyl chloride	640		50	16	ug/L			07/13/23 12:30	50
Styrene	5.5	U	50	5.5	ug/L			07/13/23 12:30	50
tert-Butylbenzene	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
Tetrachloroethene	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
Toluene	7.0	U	50	7.0	ug/L			07/13/23 12:30	50

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SIS7

Lab Sample ID: 752-9097-9

Date Collected: 07/06/23 10:35

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	11	U	50	11	ug/L			07/13/23 12:30	50
trans-1,3-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 12:30	50
Trichloroethene	7.5	U	50	7.5	ug/L			07/13/23 12:30	50
Trichlorofluoromethane	12	U	50	12	ug/L			07/13/23 12:30	50
Chloroethane	110		50	12	ug/L			07/13/23 12:30	50
Chloroform	9.0	U	50	9.0	ug/L			07/13/23 12:30	50
Chloromethane	6.5	U	50	6.5	ug/L			07/13/23 12:30	50
cis-1,2-Dichloroethene	840		50	7.5	ug/L			07/13/23 12:30	50
cis-1,3-Dichloropropene	10	U	50	10	ug/L			07/13/23 12:30	50
Chlorodibromomethane	8.5	U	50	8.5	ug/L			07/13/23 12:30	50
Dibromomethane	14	U	50	14	ug/L			07/13/23 12:30	50
Ethylbenzene	6.5	U	50	6.5	ug/L			07/13/23 12:30	50
Hexachlorobutadiene	11	U	50	11	ug/L			07/13/23 12:30	50
Isopropyl ether	18	U	50	18	ug/L			07/13/23 12:30	50
Isopropylbenzene	7.0	U	50	7.0	ug/L			07/13/23 12:30	50
m-Xylene & p-Xylene	8.5	U	100	8.5	ug/L			07/13/23 12:30	50
Methylene Chloride	12	U	50	12	ug/L			07/13/23 12:30	50
Xylenes, Total	23	U	150	23	ug/L			07/13/23 12:30	50
N-Propylbenzene	6.0	U	50	6.0	ug/L			07/13/23 12:30	50
n-Butylbenzene	2.9	U	50	2.9	ug/L			07/13/23 12:30	50
Naphthalene	5.5	U	50	5.5	ug/L			07/13/23 12:30	50
1,2,3-Trichloropropane	25	U	50	25	ug/L			07/13/23 12:30	50
1,3,5-Trimethylbenzene	15	U	50	15	ug/L			07/13/23 12:30	50
o-Xylene	3.3	U	50	3.3	ug/L			07/13/23 12:30	50
1,2,3-Trichlorobenzene	0.60	U	50	0.60	ug/L			07/13/23 12:30	50
Methyl tert-butyl ether	8.0	U	50	8.0	ug/L			07/13/23 12:30	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		67 - 129		07/13/23 12:30	50
4-Bromofluorobenzene (Surr)	111		53 - 136		07/13/23 12:30	50
Toluene-d8 (Surr)	111		59 - 134		07/13/23 12:30	50

Client Sample ID: PW-SIS8

Lab Sample ID: 752-9097-10

Date Collected: 07/06/23 11:10

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	2200		130	80	ug/L			07/12/23 19:22	250

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	105		70 - 130		07/12/23 19:22	250

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	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
1,1,1-Trichloroethane	580		50	6.0	ug/L			07/13/23 13:00	50
1,1,1,2,2-Tetrachloroethane	14	U	50	14	ug/L			07/13/23 13:00	50
1,1,2-Trichloroethane	7.0	U	50	7.0	ug/L			07/13/23 13:00	50
1,1-Dichloroethane	1200		50	6.5	ug/L			07/13/23 13:00	50
1,1-Dichloroethene	510		50	11	ug/L			07/13/23 13:00	50

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SIS8

Lab Sample ID: 752-9097-10

Date Collected: 07/06/23 11:10

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 13:00	50
1,2,4-Trichlorobenzene	7.0	U	50	7.0	ug/L			07/13/23 13:00	50
1,2,4-Trimethylbenzene	5.0	U	50	5.0	ug/L			07/13/23 13:00	50
1,2-Dibromo-3-Chloropropane	24	U	50	24	ug/L			07/13/23 13:00	50
1,2-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 13:00	50
1,2-Dichloroethane	110		50	11	ug/L			07/13/23 13:00	50
1,2-Dichloropropane	5.0	U	50	5.0	ug/L			07/13/23 13:00	50
1,2-Dibromoethane (EDB)	33	U	50	33	ug/L			07/13/23 13:00	50
1,3-Dichlorobenzene	7.5	U	50	7.5	ug/L			07/13/23 13:00	50
1,3-Dichloropropane	8.0	U	50	8.0	ug/L			07/13/23 13:00	50
1,4-Dichlorobenzene	9.5	U	50	9.5	ug/L			07/13/23 13:00	50
2,2-Dichloropropane	14	U	50	14	ug/L			07/13/23 13:00	50
2-Butanone (MEK)	500	U	1000	500	ug/L			07/13/23 13:00	50
2-Chloroethyl vinyl ether	55	U	250	55	ug/L			07/13/23 13:00	50
2-Chlorotoluene	4.1	U	50	4.1	ug/L			07/13/23 13:00	50
2-Hexanone	44	U	250	44	ug/L			07/13/23 13:00	50
3-Chloro-1-propene	5.5	U	50	5.5	ug/L			07/13/23 13:00	50
4-Chlorotoluene	3.4	U	50	3.4	ug/L			07/13/23 13:00	50
4-Isopropyltoluene	4.3	U	50	4.3	ug/L			07/13/23 13:00	50
4-Methyl-2-pentanone (MIBK)	55	U	250	55	ug/L			07/13/23 13:00	50
Acetone	500	U	1000	500	ug/L			07/13/23 13:00	50
Benzene	7.5	U	50	7.5	ug/L			07/13/23 13:00	50
Bromobenzene	8.0	U	50	8.0	ug/L			07/13/23 13:00	50
Chlorobromomethane	24	U	50	24	ug/L			07/13/23 13:00	50
Dichlorobromomethane	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
Bromoform	11	U	50	11	ug/L			07/13/23 13:00	50
Bromomethane	7.0	U	50	7.0	ug/L			07/13/23 13:00	50
Carbon disulfide	75	U	250	75	ug/L			07/13/23 13:00	50
Carbon tetrachloride	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
Chlorobenzene	3800		50	8.5	ug/L			07/13/23 13:00	50
sec-Butylbenzene	5.0	U	50	5.0	ug/L			07/13/23 13:00	50
Dichlorodifluoromethane	10	U	50	10	ug/L			07/13/23 13:00	50
Vinyl chloride	1300		50	16	ug/L			07/13/23 13:00	50
Styrene	5.5	U	50	5.5	ug/L			07/13/23 13:00	50
tert-Butylbenzene	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
Tetrachloroethene	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
Toluene	34 J		50	7.0	ug/L			07/13/23 13:00	50
trans-1,2-Dichloroethene	18 J		50	11	ug/L			07/13/23 13:00	50
trans-1,3-Dichloropropene	7.5	U	50	7.5	ug/L			07/13/23 13:00	50
Trichloroethene	7.5	U	50	7.5	ug/L			07/13/23 13:00	50
Trichlorofluoromethane	12	U	50	12	ug/L			07/13/23 13:00	50
Chloroethane	140		50	12	ug/L			07/13/23 13:00	50
Chloroform	9.0	U	50	9.0	ug/L			07/13/23 13:00	50
Chloromethane	6.5	U	50	6.5	ug/L			07/13/23 13:00	50
cis-1,2-Dichloroethene	1800		50	7.5	ug/L			07/13/23 13:00	50
cis-1,3-Dichloropropene	10	U	50	10	ug/L			07/13/23 13:00	50
Chlorodibromomethane	8.5	U	50	8.5	ug/L			07/13/23 13:00	50
Dibromomethane	14	U	50	14	ug/L			07/13/23 13:00	50
Ethylbenzene	6.5	U	50	6.5	ug/L			07/13/23 13:00	50

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SIS8

Lab Sample ID: 752-9097-10

Date Collected: 07/06/23 11:10

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	11	U	50	11	ug/L			07/13/23 13:00	50
Isopropyl ether	32	J	50	18	ug/L			07/13/23 13:00	50
Isopropylbenzene	7.0	U	50	7.0	ug/L			07/13/23 13:00	50
m-Xylene & p-Xylene	8.5	U	100	8.5	ug/L			07/13/23 13:00	50
Methylene Chloride	12	U	50	12	ug/L			07/13/23 13:00	50
Xylenes, Total	23	U	150	23	ug/L			07/13/23 13:00	50
N-Propylbenzene	6.0	U	50	6.0	ug/L			07/13/23 13:00	50
n-Butylbenzene	2.9	U	50	2.9	ug/L			07/13/23 13:00	50
Naphthalene	5.5	U	50	5.5	ug/L			07/13/23 13:00	50
1,2,3-Trichloropropane	25	U	50	25	ug/L			07/13/23 13:00	50
1,3,5-Trimethylbenzene	15	U	50	15	ug/L			07/13/23 13:00	50
o-Xylene	20	J B	50	3.3	ug/L			07/13/23 13:00	50
1,2,3-Trichlorobenzene	0.60	U	50	0.60	ug/L			07/13/23 13:00	50
Methyl tert-butyl ether	8.0	U	50	8.0	ug/L			07/13/23 13:00	50

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	100		67 - 129		07/13/23 13:00	50
4-Bromofluorobenzene (Surr)	108		53 - 136		07/13/23 13:00	50
Toluene-d8 (Surr)	110		59 - 134		07/13/23 13:00	50

Client Sample ID: PW-SF1

Lab Sample ID: 752-9097-11

Date Collected: 07/06/23 11:55

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	6300		500	320	ug/L			07/12/23 20:39	1000
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	92		70 - 130					07/12/23 20:39	1000

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	85	U	500	85	ug/L			07/13/23 13:29	500
1,1,1-Trichloroethane	18000		500	60	ug/L			07/13/23 13:29	500
1,1,1,2,2-Tetrachloroethane	140	U	500	140	ug/L			07/13/23 13:29	500
1,1,2-Trichloroethane	70	U	500	70	ug/L			07/13/23 13:29	500
1,1-Dichloroethane	9500		500	65	ug/L			07/13/23 13:29	500
1,1-Dichloroethene	7400		500	110	ug/L			07/13/23 13:29	500
1,1-Dichloropropene	75	U	500	75	ug/L			07/13/23 13:29	500
1,2,4-Trichlorobenzene	70	U	500	70	ug/L			07/13/23 13:29	500
1,2,4-Trimethylbenzene	50	U	500	50	ug/L			07/13/23 13:29	500
1,2-Dibromo-3-Chloropropane	240	U	500	240	ug/L			07/13/23 13:29	500
1,2-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 13:29	500
1,2-Dichloroethane	2000		500	110	ug/L			07/13/23 13:29	500
1,2-Dichloropropane	50	U	500	50	ug/L			07/13/23 13:29	500
1,2-Dibromoethane (EDB)	330	U	500	330	ug/L			07/13/23 13:29	500
1,3-Dichlorobenzene	75	U	500	75	ug/L			07/13/23 13:29	500
1,3-Dichloropropane	80	U	500	80	ug/L			07/13/23 13:29	500
1,4-Dichlorobenzene	95	U	500	95	ug/L			07/13/23 13:29	500
2,2-Dichloropropane	140	U	500	140	ug/L			07/13/23 13:29	500

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SF1

Lab Sample ID: 752-9097-11

Date Collected: 07/06/23 11:55

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	5000	U	10000	5000	ug/L			07/13/23 13:29	500
2-Chloroethyl vinyl ether	550	U	2500	550	ug/L			07/13/23 13:29	500
2-Chlorotoluene	41	U	500	41	ug/L			07/13/23 13:29	500
2-Hexanone	440	U	2500	440	ug/L			07/13/23 13:29	500
3-Chloro-1-propene	55	U	500	55	ug/L			07/13/23 13:29	500
4-Chlorotoluene	34	U	500	34	ug/L			07/13/23 13:29	500
4-Isopropyltoluene	43	U	500	43	ug/L			07/13/23 13:29	500
4-Methyl-2-pentanone (MIBK)	550	U	2500	550	ug/L			07/13/23 13:29	500
Acetone	5000	U	10000	5000	ug/L			07/13/23 13:29	500
Benzene	170	J	500	75	ug/L			07/13/23 13:29	500
Bromobenzene	80	U	500	80	ug/L			07/13/23 13:29	500
Chlorobromomethane	240	U	500	240	ug/L			07/13/23 13:29	500
Dichlorobromomethane	85	U	500	85	ug/L			07/13/23 13:29	500
Bromoform	110	U	500	110	ug/L			07/13/23 13:29	500
Bromomethane	70	U	500	70	ug/L			07/13/23 13:29	500
Carbon disulfide	750	U	2500	750	ug/L			07/13/23 13:29	500
Carbon tetrachloride	85	U	500	85	ug/L			07/13/23 13:29	500
Chlorobenzene	18000		500	85	ug/L			07/13/23 13:29	500
sec-Butylbenzene	50	U	500	50	ug/L			07/13/23 13:29	500
Dichlorodifluoromethane	100	U	500	100	ug/L			07/13/23 13:29	500
Vinyl chloride	6500		500	160	ug/L			07/13/23 13:29	500
Styrene	55	U	500	55	ug/L			07/13/23 13:29	500
tert-Butylbenzene	85	U	500	85	ug/L			07/13/23 13:29	500
Tetrachloroethene	2600		500	85	ug/L			07/13/23 13:29	500
Toluene	3100		500	70	ug/L			07/13/23 13:29	500
trans-1,2-Dichloroethene	110	U	500	110	ug/L			07/13/23 13:29	500
trans-1,3-Dichloropropene	75	U	500	75	ug/L			07/13/23 13:29	500
Trichloroethene	2000		500	75	ug/L			07/13/23 13:29	500
Trichlorofluoromethane	120	U	500	120	ug/L			07/13/23 13:29	500
Chloroethane	650		500	120	ug/L			07/13/23 13:29	500
Chloroform	90	U	500	90	ug/L			07/13/23 13:29	500
Chloromethane	65	U	500	65	ug/L			07/13/23 13:29	500
cis-1,2-Dichloroethene	31000		500	75	ug/L			07/13/23 13:29	500
cis-1,3-Dichloropropene	100	U	500	100	ug/L			07/13/23 13:29	500
Chlorodibromomethane	85	U	500	85	ug/L			07/13/23 13:29	500
Dibromomethane	140	U	500	140	ug/L			07/13/23 13:29	500
Ethylbenzene	270	J	500	65	ug/L			07/13/23 13:29	500
Hexachlorobutadiene	110	U	500	110	ug/L			07/13/23 13:29	500
Isopropyl ether	180	J	500	180	ug/L			07/13/23 13:29	500
Isopropylbenzene	70	U	500	70	ug/L			07/13/23 13:29	500
m-Xylene & p-Xylene	670	J B	1000	85	ug/L			07/13/23 13:29	500
Methylene Chloride	2800		500	120	ug/L			07/13/23 13:29	500
Xylenes, Total	980	J	1500	230	ug/L			07/13/23 13:29	500
N-Propylbenzene	60	U	500	60	ug/L			07/13/23 13:29	500
n-Butylbenzene	29	U	500	29	ug/L			07/13/23 13:29	500
Naphthalene	55	U	500	55	ug/L			07/13/23 13:29	500
1,2,3-Trichloropropane	250	U	500	250	ug/L			07/13/23 13:29	500
1,3,5-Trimethylbenzene	150	U	500	150	ug/L			07/13/23 13:29	500
o-Xylene	310	J B	500	33	ug/L			07/13/23 13:29	500

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: PW-SF1

Date Collected: 07/06/23 11:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichlorobenzene	6.0	U	500	6.0	ug/L			07/13/23 13:29	500
Methyl tert-butyl ether	80	U	500	80	ug/L			07/13/23 13:29	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		67 - 129					07/13/23 13:29	500
4-Bromofluorobenzene (Surr)	109		53 - 136					07/13/23 13:29	500
Toluene-d8 (Surr)	112		59 - 134					07/13/23 13:29	500

Client Sample ID: R-1

Date Collected: 07/06/23 12:05

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-12

Matrix: 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	6800		250	160	ug/L			07/12/23 20:14	500
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	98		70 - 130					07/12/23 20:14	500

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	340	U	2000	340	ug/L			07/13/23 13:59	2000
1,1,1-Trichloroethane	28000		2000	240	ug/L			07/13/23 13:59	2000
1,1,2,2-Tetrachloroethane	560	U	2000	560	ug/L			07/13/23 13:59	2000
1,1,2-Trichloroethane	280	U	2000	280	ug/L			07/13/23 13:59	2000
1,1-Dichloroethane	23000		2000	260	ug/L			07/13/23 13:59	2000
1,1-Dichloroethene	17000		2000	420	ug/L			07/13/23 13:59	2000
1,1-Dichloropropene	300	U	2000	300	ug/L			07/13/23 13:59	2000
1,2,4-Trichlorobenzene	280	U	2000	280	ug/L			07/13/23 13:59	2000
1,2,4-Trimethylbenzene	200	U	2000	200	ug/L			07/13/23 13:59	2000
1,2-Dibromo-3-Chloropropane	960	U	2000	960	ug/L			07/13/23 13:59	2000
1,2-Dichlorobenzene	380	U	2000	380	ug/L			07/13/23 13:59	2000
1,2-Dichloroethane	3800		2000	420	ug/L			07/13/23 13:59	2000
1,2-Dichloropropane	200	U	2000	200	ug/L			07/13/23 13:59	2000
1,2-Dibromoethane (EDB)	1300	U	2000	1300	ug/L			07/13/23 13:59	2000
1,3-Dichlorobenzene	300	U	2000	300	ug/L			07/13/23 13:59	2000
1,3-Dichloropropane	320	U	2000	320	ug/L			07/13/23 13:59	2000
1,4-Dichlorobenzene	380	U	2000	380	ug/L			07/13/23 13:59	2000
2,2-Dichloropropane	560	U	2000	560	ug/L			07/13/23 13:59	2000
2-Butanone (MEK)	20000	U	40000	20000	ug/L			07/13/23 13:59	2000
2-Chloroethyl vinyl ether	2200	U	10000	2200	ug/L			07/13/23 13:59	2000
2-Chlorotoluene	160	U	2000	160	ug/L			07/13/23 13:59	2000
2-Hexanone	1800	U	10000	1800	ug/L			07/13/23 13:59	2000
3-Chloro-1-propene	220	U	2000	220	ug/L			07/13/23 13:59	2000
4-Chlorotoluene	140	U	2000	140	ug/L			07/13/23 13:59	2000
4-Isopropyltoluene	170	U	2000	170	ug/L			07/13/23 13:59	2000
4-Methyl-2-pentanone (MIBK)	2200	U	10000	2200	ug/L			07/13/23 13:59	2000
Acetone	20000	U	40000	20000	ug/L			07/13/23 13:59	2000
Benzene	300	U	2000	300	ug/L			07/13/23 13:59	2000
Bromobenzene	320	U	2000	320	ug/L			07/13/23 13:59	2000
Chlorobromomethane	960	U	2000	960	ug/L			07/13/23 13:59	2000

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: R-1

Lab Sample ID: 752-9097-12

Date Collected: 07/06/23 12:05

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorobromomethane	340	U	2000	340	ug/L			07/13/23 13:59	2000
Bromoform	440	U	2000	440	ug/L			07/13/23 13:59	2000
Bromomethane	280	U	2000	280	ug/L			07/13/23 13:59	2000
Carbon disulfide	3000	U	10000	3000	ug/L			07/13/23 13:59	2000
Carbon tetrachloride	340	U	2000	340	ug/L			07/13/23 13:59	2000
Chlorobenzene	13000		2000	340	ug/L			07/13/23 13:59	2000
sec-Butylbenzene	200	U	2000	200	ug/L			07/13/23 13:59	2000
Dichlorodifluoromethane	400	U	2000	400	ug/L			07/13/23 13:59	2000
Vinyl chloride	14000		2000	640	ug/L			07/13/23 13:59	2000
Styrene	220	U	2000	220	ug/L			07/13/23 13:59	2000
tert-Butylbenzene	340	U	2000	340	ug/L			07/13/23 13:59	2000
Tetrachloroethene	5100		2000	340	ug/L			07/13/23 13:59	2000
Toluene	12000		2000	280	ug/L			07/13/23 13:59	2000
trans-1,2-Dichloroethene	420	U	2000	420	ug/L			07/13/23 13:59	2000
trans-1,3-Dichloropropene	300	U	2000	300	ug/L			07/13/23 13:59	2000
Trichloroethene	5300		2000	300	ug/L			07/13/23 13:59	2000
Trichlorofluoromethane	480	U	2000	480	ug/L			07/13/23 13:59	2000
Chloroethane	460	U	2000	460	ug/L			07/13/23 13:59	2000
Chloroform	360	U	2000	360	ug/L			07/13/23 13:59	2000
Chloromethane	260	U	2000	260	ug/L			07/13/23 13:59	2000
cis-1,2-Dichloroethene	94000		2000	300	ug/L			07/13/23 13:59	2000
cis-1,3-Dichloropropene	400	U	2000	400	ug/L			07/13/23 13:59	2000
Chlorodibromomethane	340	U	2000	340	ug/L			07/13/23 13:59	2000
Dibromomethane	540	U	2000	540	ug/L			07/13/23 13:59	2000
Ethylbenzene	260	U	2000	260	ug/L			07/13/23 13:59	2000
Hexachlorobutadiene	440	U	2000	440	ug/L			07/13/23 13:59	2000
Isopropyl ether	720	U	2000	720	ug/L			07/13/23 13:59	2000
Isopropylbenzene	280	U	2000	280	ug/L			07/13/23 13:59	2000
m-Xylene & p-Xylene	1500	J B	4000	340	ug/L			07/13/23 13:59	2000
Methylene Chloride	5300		2000	460	ug/L			07/13/23 13:59	2000
Xylenes, Total	2200	J	6000	900	ug/L			07/13/23 13:59	2000
N-Propylbenzene	240	U	2000	240	ug/L			07/13/23 13:59	2000
n-Butylbenzene	120	U	2000	120	ug/L			07/13/23 13:59	2000
Naphthalene	220	U	2000	220	ug/L			07/13/23 13:59	2000
1,2,3-Trichloropropane	980	U	2000	980	ug/L			07/13/23 13:59	2000
1,3,5-Trimethylbenzene	600	U	2000	600	ug/L			07/13/23 13:59	2000
o-Xylene	740	J B	2000	130	ug/L			07/13/23 13:59	2000
1,2,3-Trichlorobenzene	24	U	2000	24	ug/L			07/13/23 13:59	2000
Methyl tert-butyl ether	320	U	2000	320	ug/L			07/13/23 13:59	2000

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	99		67 - 129		07/13/23 13:59	2000
4-Bromofluorobenzene (Surr)	114		53 - 136		07/13/23 13:59	2000
Toluene-d8 (Surr)	110		59 - 134		07/13/23 13:59	2000

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: RW-SIS1

Lab Sample ID: 752-9097-13

Date Collected: 07/06/23 10:55

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	390		13	8.0	ug/L			07/12/23 17:40	25
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	97		70 - 130					07/12/23 17:40	25

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	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
1,1,1-Trichloroethane	1.2	U	10	1.2	ug/L			07/13/23 14:29	10
1,1,2,2-Tetrachloroethane	2.8	U	10	2.8	ug/L			07/13/23 14:29	10
1,1,2-Trichloroethane	1.4	U	10	1.4	ug/L			07/13/23 14:29	10
1,1-Dichloroethane	1.3	U	10	1.3	ug/L			07/13/23 14:29	10
1,1-Dichloroethene	2.1	U	10	2.1	ug/L			07/13/23 14:29	10
1,1-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 14:29	10
1,2,4-Trichlorobenzene	1.4	U	10	1.4	ug/L			07/13/23 14:29	10
1,2,4-Trimethylbenzene	1.0	U	10	1.0	ug/L			07/13/23 14:29	10
1,2-Dibromo-3-Chloropropane	4.8	U	10	4.8	ug/L			07/13/23 14:29	10
1,2-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 14:29	10
1,2-Dichloroethane	2.1	U	10	2.1	ug/L			07/13/23 14:29	10
1,2-Dichloropropane	1.0	U	10	1.0	ug/L			07/13/23 14:29	10
1,2-Dibromoethane (EDB)	6.6	U	10	6.6	ug/L			07/13/23 14:29	10
1,3-Dichlorobenzene	1.5	U	10	1.5	ug/L			07/13/23 14:29	10
1,3-Dichloropropane	1.6	U	10	1.6	ug/L			07/13/23 14:29	10
1,4-Dichlorobenzene	1.9	U	10	1.9	ug/L			07/13/23 14:29	10
2,2-Dichloropropane	2.8	U	10	2.8	ug/L			07/13/23 14:29	10
2-Butanone (MEK)	100	U	200	100	ug/L			07/13/23 14:29	10
2-Chloroethyl vinyl ether	11	U	50	11	ug/L			07/13/23 14:29	10
2-Chlorotoluene	0.81	U	10	0.81	ug/L			07/13/23 14:29	10
2-Hexanone	8.8	U	50	8.8	ug/L			07/13/23 14:29	10
3-Chloro-1-propene	1.1	U	10	1.1	ug/L			07/13/23 14:29	10
4-Chlorotoluene	0.68	U	10	0.68	ug/L			07/13/23 14:29	10
4-Isopropyltoluene	0.85	U	10	0.85	ug/L			07/13/23 14:29	10
4-Methyl-2-pentanone (MIBK)	11	U	50	11	ug/L			07/13/23 14:29	10
Acetone	100	U	200	100	ug/L			07/13/23 14:29	10
Benzene	1.5	U	10	1.5	ug/L			07/13/23 14:29	10
Bromobenzene	1.6	U	10	1.6	ug/L			07/13/23 14:29	10
Chlorobromomethane	4.8	U	10	4.8	ug/L			07/13/23 14:29	10
Dichlorobromomethane	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
Bromoform	2.2	U	10	2.2	ug/L			07/13/23 14:29	10
Bromomethane	1.4	U	10	1.4	ug/L			07/13/23 14:29	10
Carbon disulfide	15	U	50	15	ug/L			07/13/23 14:29	10
Carbon tetrachloride	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
Chlorobenzene	280		10	1.7	ug/L			07/13/23 14:29	10
sec-Butylbenzene	1.0	U	10	1.0	ug/L			07/13/23 14:29	10
Dichlorodifluoromethane	2.0	U	10	2.0	ug/L			07/13/23 14:29	10
Vinyl chloride	3.2	U	10	3.2	ug/L			07/13/23 14:29	10
Styrene	1.1	U	10	1.1	ug/L			07/13/23 14:29	10
tert-Butylbenzene	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
Tetrachloroethene	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
Toluene	1.4	U	10	1.4	ug/L			07/13/23 14:29	10

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Client Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: RW-SIS1

Lab Sample ID: 752-9097-13

Date Collected: 07/06/23 10:55

Matrix: Water

Date Received: 07/07/23 09:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	2.1	U	10	2.1	ug/L			07/13/23 14:29	10
trans-1,3-Dichloropropene	1.5	U	10	1.5	ug/L			07/13/23 14:29	10
Trichloroethene	1.5	U	10	1.5	ug/L			07/13/23 14:29	10
Trichlorofluoromethane	2.4	U	10	2.4	ug/L			07/13/23 14:29	10
Chloroethane	46		10	2.3	ug/L			07/13/23 14:29	10
Chloroform	1.8	U	10	1.8	ug/L			07/13/23 14:29	10
Chloromethane	1.3	U	10	1.3	ug/L			07/13/23 14:29	10
cis-1,2-Dichloroethene	6.8 J		10	1.5	ug/L			07/13/23 14:29	10
cis-1,3-Dichloropropene	2.0	U	10	2.0	ug/L			07/13/23 14:29	10
Chlorodibromomethane	1.7	U	10	1.7	ug/L			07/13/23 14:29	10
Dibromomethane	2.7	U	10	2.7	ug/L			07/13/23 14:29	10
Ethylbenzene	1.3	U	10	1.3	ug/L			07/13/23 14:29	10
Hexachlorobutadiene	2.2	U	10	2.2	ug/L			07/13/23 14:29	10
Isopropyl ether	3.6	U	10	3.6	ug/L			07/13/23 14:29	10
Isopropylbenzene	1.4	U	10	1.4	ug/L			07/13/23 14:29	10
m-Xylene & p-Xylene	1.7	U	20	1.7	ug/L			07/13/23 14:29	10
Methylene Chloride	2.3	U	10	2.3	ug/L			07/13/23 14:29	10
Xylenes, Total	4.5	U	30	4.5	ug/L			07/13/23 14:29	10
N-Propylbenzene	1.2	U	10	1.2	ug/L			07/13/23 14:29	10
n-Butylbenzene	0.58	U	10	0.58	ug/L			07/13/23 14:29	10
Naphthalene	1.1	U	10	1.1	ug/L			07/13/23 14:29	10
1,2,3-Trichloropropane	4.9	U	10	4.9	ug/L			07/13/23 14:29	10
1,3,5-Trimethylbenzene	3.0	U	10	3.0	ug/L			07/13/23 14:29	10
o-Xylene	0.65	U	10	0.65	ug/L			07/13/23 14:29	10
1,2,3-Trichlorobenzene	0.12	U	10	0.12	ug/L			07/13/23 14:29	10
Methyl tert-butyl ether	1.6	U	10	1.6	ug/L			07/13/23 14:29	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	101		67 - 129		07/13/23 14:29	10
4-Bromofluorobenzene (Surr)	114		53 - 136		07/13/23 14:29	10
Toluene-d8 (Surr)	109		59 - 134		07/13/23 14:29	10

Surrogate Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		DBFM (67-129)	BFB (53-136)	TOL (59-134)
752-9097-1	AW-2	103	109	104
752-9097-2	AW-3	98	114	111
752-9097-3	AW-4	100	114	110
752-9097-4	AWB-4	104	113	108
752-9097-5	MW-7B	103	114	108
752-9097-6	OW-SF1	102	113	114
752-9097-7	OW-SIS1	103	114	107
752-9097-8	PW-3D	107	109	110
752-9097-9	PW-SIS7	101	111	111
752-9097-10	PW-SIS8	100	108	110
752-9097-11	PW-SF1	99	109	112
752-9097-12	R-1	99	114	110
752-9097-13	RW-SIS1	101	114	109
LCS 752-3646/5	Lab Control Sample	106	108	106
LCSD 752-3646/6	Lab Control Sample Dup	96	110	106
MB 752-3646/8	Method Blank	98	110	107
MRL 752-3646/4	Lab Control Sample	97	108	107
Surrogate Legend				
DBFM = Dibromofluoromethane (Surr)				
BFB = 4-Bromofluorobenzene (Surr)				
TOL = Toluene-d8 (Surr)				

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Surrogate Recovery (Acceptance Limits)		
		BFB (70-130)		
752-9097-1	AW-2	97		
752-9097-2	AW-3	100		
752-9097-3	AW-4	104		
752-9097-4	AWB-4	105		
752-9097-5	MW-7B	106		
752-9097-5 MS	MW-7B	102		
752-9097-5 MSD	MW-7B	105		
752-9097-6	OW-SF1	92		
752-9097-7	OW-SIS1	112		
752-9097-8	PW-3D	89		
752-9097-9	PW-SIS7	89		
752-9097-10	PW-SIS8	105		
752-9097-11	PW-SF1	92		
752-9097-12	R-1	98		
752-9097-13	RW-SIS1	97		
LCS 680-787871/4	Lab Control Sample	115		
LCSD 680-787871/5	Lab Control Sample Dup	122		
MB 680-787871/7	Method Blank	89		
Surrogate Legend				
BFB = 4-Bromofluorobenzene (Surr)				

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: MB 752-3646/8

Matrix: Water

Analysis Batch: 3646

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	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
1,1,1-Trichloroethane	0.12	U	1.0	0.12	ug/L			07/13/23 06:02	1
1,1,2,2-Tetrachloroethane	0.28	U	1.0	0.28	ug/L			07/13/23 06:02	1
1,1,2-Trichloroethane	0.14	U	1.0	0.14	ug/L			07/13/23 06:02	1
1,1-Dichloroethane	0.13	U	1.0	0.13	ug/L			07/13/23 06:02	1
1,1-Dichloroethene	0.21	U	1.0	0.21	ug/L			07/13/23 06:02	1
1,1-Dichloropropene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
1,2,4-Trichlorobenzene	0.14	U	1.0	0.14	ug/L			07/13/23 06:02	1
1,2,4-Trimethylbenzene	0.10	U	1.0	0.10	ug/L			07/13/23 06:02	1
1,2-Dibromo-3-Chloropropane	0.48	U	1.0	0.48	ug/L			07/13/23 06:02	1
1,2-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			07/13/23 06:02	1
1,2-Dichloroethane	0.21	U	1.0	0.21	ug/L			07/13/23 06:02	1
1,2-Dichloropropane	0.10	U	1.0	0.10	ug/L			07/13/23 06:02	1
1,2-Dibromoethane (EDB)	0.66	U	1.0	0.66	ug/L			07/13/23 06:02	1
1,3-Dichlorobenzene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
1,3-Dichloropropane	0.16	U	1.0	0.16	ug/L			07/13/23 06:02	1
1,4-Dichlorobenzene	0.19	U	1.0	0.19	ug/L			07/13/23 06:02	1
2,2-Dichloropropane	0.28	U	1.0	0.28	ug/L			07/13/23 06:02	1
2-Butanone (MEK)	10	U	20	10	ug/L			07/13/23 06:02	1
2-Chloroethyl vinyl ether	1.1	U	5.0	1.1	ug/L			07/13/23 06:02	1
2-Chlorotoluene	0.081	U	1.0	0.081	ug/L			07/13/23 06:02	1
2-Hexanone	0.88	U	5.0	0.88	ug/L			07/13/23 06:02	1
3-Chloro-1-propene	0.11	U	1.0	0.11	ug/L			07/13/23 06:02	1
4-Chlorotoluene	0.068	U	1.0	0.068	ug/L			07/13/23 06:02	1
4-Isopropyltoluene	0.085	U	1.0	0.085	ug/L			07/13/23 06:02	1
4-Methyl-2-pentanone (MIBK)	1.1	U	5.0	1.1	ug/L			07/13/23 06:02	1
Acetone	10	U	20	10	ug/L			07/13/23 06:02	1
Benzene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
Bromobenzene	0.16	U	1.0	0.16	ug/L			07/13/23 06:02	1
Chlorobromomethane	0.48	U	1.0	0.48	ug/L			07/13/23 06:02	1
Dichlorobromomethane	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
Bromoform	0.22	U	1.0	0.22	ug/L			07/13/23 06:02	1
Bromomethane	0.14	U	1.0	0.14	ug/L			07/13/23 06:02	1
Carbon disulfide	1.5	U	5.0	1.5	ug/L			07/13/23 06:02	1
Carbon tetrachloride	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
Chlorobenzene	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
sec-Butylbenzene	0.10	U	1.0	0.10	ug/L			07/13/23 06:02	1
Dichlorodifluoromethane	0.20	U	1.0	0.20	ug/L			07/13/23 06:02	1
Vinyl chloride	0.32	U	1.0	0.32	ug/L			07/13/23 06:02	1
Styrene	0.11	U	1.0	0.11	ug/L			07/13/23 06:02	1
tert-Butylbenzene	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
Tetrachloroethene	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
Toluene	0.14	U	1.0	0.14	ug/L			07/13/23 06:02	1
trans-1,2-Dichloroethene	0.21	U	1.0	0.21	ug/L			07/13/23 06:02	1
trans-1,3-Dichloropropene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
Trichloroethene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
Trichlorofluoromethane	0.24	U	1.0	0.24	ug/L			07/13/23 06:02	1
Chloroethane	0.23	U	1.0	0.23	ug/L			07/13/23 06:02	1

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: MB 752-3646/8

Matrix: Water

Analysis Batch: 3646

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.18	U	1.0	0.18	ug/L			07/13/23 06:02	1
Chloromethane	0.13	U	1.0	0.13	ug/L			07/13/23 06:02	1
cis-1,2-Dichloroethene	0.15	U	1.0	0.15	ug/L			07/13/23 06:02	1
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			07/13/23 06:02	1
Chlorodibromomethane	0.17	U	1.0	0.17	ug/L			07/13/23 06:02	1
Dibromomethane	0.27	U	1.0	0.27	ug/L			07/13/23 06:02	1
Ethylbenzene	0.13	U	1.0	0.13	ug/L			07/13/23 06:02	1
Hexachlorobutadiene	0.22	U	1.0	0.22	ug/L			07/13/23 06:02	1
Isopropyl ether	0.36	U	1.0	0.36	ug/L			07/13/23 06:02	1
Isopropylbenzene	0.14	U	1.0	0.14	ug/L			07/13/23 06:02	1
m-Xylene & p-Xylene	0.250	J	2.0	0.17	ug/L			07/13/23 06:02	1
Methylene Chloride	0.23	U	1.0	0.23	ug/L			07/13/23 06:02	1
Xylenes, Total	0.45	U	3.0	0.45	ug/L			07/13/23 06:02	1
N-Propylbenzene	0.12	U	1.0	0.12	ug/L			07/13/23 06:02	1
n-Butylbenzene	0.058	U	1.0	0.058	ug/L			07/13/23 06:02	1
Naphthalene	0.11	U	1.0	0.11	ug/L			07/13/23 06:02	1
1,2,3-Trichloropropane	0.49	U	1.0	0.49	ug/L			07/13/23 06:02	1
1,3,5-Trimethylbenzene	0.30	U	1.0	0.30	ug/L			07/13/23 06:02	1
o-Xylene	0.138	J	1.0	0.065	ug/L			07/13/23 06:02	1
1,2,3-Trichlorobenzene	0.012	U	1.0	0.012	ug/L			07/13/23 06:02	1
Methyl tert-butyl ether	0.16	U	1.0	0.16	ug/L			07/13/23 06:02	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	98		67 - 129		07/13/23 06:02	1
4-Bromofluorobenzene (Surr)	110		53 - 136		07/13/23 06:02	1
Toluene-d8 (Surr)	107		59 - 134		07/13/23 06:02	1

Lab Sample ID: LCS 752-3646/5

Matrix: Water

Analysis Batch: 3646

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	20.0	21.8		ug/L		109	71 - 120
1,1,1-Trichloroethane	20.0	20.1		ug/L		100	72 - 143
1,1,2,2-Tetrachloroethane	20.0	18.4		ug/L		92	59 - 133
1,1,2-Trichloroethane	20.0	19.4		ug/L		97	67 - 120
1,1-Dichloroethane	20.0	18.2		ug/L		91	79 - 141
1,1-Dichloroethene	20.0	16.3		ug/L		81	75 - 133
1,1-Dichloropropene	20.0	18.2		ug/L		91	70 - 129
1,2,4-Trichlorobenzene	20.0	17.4		ug/L		87	59 - 122
1,2,4-Trimethylbenzene	20.0	17.1		ug/L		85	74 - 123
1,2-Dibromo-3-Chloropropane	20.0	15.6		ug/L		78	37 - 157
1,2-Dichlorobenzene	20.0	17.0		ug/L		85	76 - 120
1,2-Dichloroethane	20.0	20.9		ug/L		105	72 - 151
1,2-Dichloropropane	20.0	20.5		ug/L		103	78 - 125
1,2-Dibromoethane (EDB)	20.0	19.1		ug/L		95	66 - 123
1,3-Dichlorobenzene	20.0	17.1		ug/L		86	76 - 120
1,3-Dichloropropane	20.0	18.8		ug/L		94	60 - 129

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: LCS 752-3646/5

Matrix: Water

Analysis Batch: 3646

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	76 - 122
2,2-Dichloropropane	20.0	14.9		ug/L		75	21 - 167
2-Butanone (MEK)	40.0	40.0		ug/L		100	36 - 135
2-Chloroethyl vinyl ether	40.0	44.2		ug/L		111	10 - 192
2-Chlorotoluene	20.0	16.9		ug/L		84	73 - 135
2-Hexanone	40.0	35.3		ug/L		88	36 - 191
3-Chloro-1-propene	20.0	17.5		ug/L		87	17 - 147
4-Chlorotoluene	20.0	17.9		ug/L		90	76 - 134
4-Isopropyltoluene	20.0	17.3		ug/L		86	75 - 127
4-Methyl-2-pentanone (MIBK)	40.0	40.6		ug/L		102	56 - 166
Acetone	40.0	38.2		ug/L		96	10 - 158
Benzene	20.0	18.4		ug/L		92	80 - 134
Bromobenzene	20.0	19.3		ug/L		97	72 - 120
Chlorobromomethane	20.0	21.7		ug/L		109	74 - 128
Dichlorobromomethane	20.0	21.5		ug/L		107	72 - 129
Bromoform	20.0	21.0		ug/L		105	73 - 120
Bromomethane	20.0	15.2		ug/L		76	38 - 189
Carbon disulfide	20.0	15.6		ug/L		78	65 - 173
Carbon tetrachloride	20.0	21.2		ug/L		106	68 - 142
Chlorobenzene	20.0	19.5		ug/L		98	80 - 120
sec-Butylbenzene	20.0	17.5		ug/L		88	75 - 122
Dichlorodifluoromethane	20.0	15.0		ug/L		75	25 - 161
Vinyl chloride	20.0	15.5		ug/L		78	49 - 150
Styrene	20.0	18.9		ug/L		95	73 - 120
tert-Butylbenzene	20.0	17.9		ug/L		89	70 - 137
Tetrachloroethene	20.0	21.0		ug/L		105	40 - 181
Toluene	20.0	18.8		ug/L		94	71 - 120
trans-1,2-Dichloroethene	20.0	17.9		ug/L		89	75 - 139
trans-1,3-Dichloropropene	20.0	19.2		ug/L		96	65 - 152
Trichloroethene	20.0	22.1		ug/L		110	74 - 120
Trichlorofluoromethane	20.0	20.0		ug/L		100	68 - 183
Chloroethane	20.0	19.6		ug/L		98	45 - 213
Chloroform	20.0	19.6		ug/L		98	78 - 138
Chloromethane	20.0	14.2		ug/L		71	56 - 171
cis-1,2-Dichloroethene	20.0	17.8		ug/L		89	69 - 120
cis-1,3-Dichloropropene	20.0	21.6		ug/L		108	63 - 125
Chlorodibromomethane	20.0	20.3		ug/L		102	73 - 120
Dibromomethane	20.0	20.7		ug/L		104	76 - 124
Ethylbenzene	20.0	18.6		ug/L		93	68 - 124
Hexachlorobutadiene	20.0	14.6		ug/L		73	63 - 120
Isopropyl ether	20.0	18.0		ug/L		90	45 - 120
Isopropylbenzene	20.0	18.4		ug/L		92	80 - 136
m-Xylene & p-Xylene	40.0	37.1		ug/L		93	79 - 121
Methylene Chloride	20.0	18.8		ug/L		94	68 - 128
Xylenes, Total	60.0	55.3		ug/L		92	77 - 121
N-Propylbenzene	20.0	18.8		ug/L		94	76 - 125
n-Butylbenzene	20.0	15.9		ug/L		80	68 - 126
Naphthalene	20.0	16.9		ug/L		85	50 - 127
1,2,3-Trichloropropane	20.0	18.5		ug/L		93	69 - 127

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: LCS 752-3646/5

Matrix: Water

Analysis Batch: 3646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,3,5-Trimethylbenzene	20.0	17.5		ug/L		88	77 - 129
o-Xylene	20.0	18.2		ug/L		91	71 - 125
1,2,3-Trichlorobenzene	20.0	16.1		ug/L		80	62 - 120
Methyl tert-butyl ether	20.0	18.7		ug/L		94	10 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane (Surr)	106		67 - 129
4-Bromofluorobenzene (Surr)	108		53 - 136
Toluene-d8 (Surr)	106		59 - 134

Lab Sample ID: LCSD 752-3646/6

Matrix: Water

Analysis Batch: 3646

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	20.0	21.6		ug/L		108	71 - 120	1	16
1,1,1-Trichloroethane	20.0	19.2		ug/L		96	72 - 143	4	18
1,1,2,2-Tetrachloroethane	20.0	17.8		ug/L		89	59 - 133	3	16
1,1,2-Trichloroethane	20.0	20.0		ug/L		100	67 - 120	3	18
1,1-Dichloroethane	20.0	16.2		ug/L		81	79 - 141	11	19
1,1-Dichloroethene	20.0	15.4		ug/L		77	75 - 133	6	20
1,1-Dichloropropene	20.0	17.5		ug/L		88	70 - 129	4	17
1,2,4-Trichlorobenzene	20.0	17.1		ug/L		85	59 - 122	2	17
1,2,4-Trimethylbenzene	20.0	16.6		ug/L		83	74 - 123	3	18
1,2-Dibromo-3-Chloropropane	20.0	14.9		ug/L		75	37 - 157	4	18
1,2-Dichlorobenzene	20.0	17.4		ug/L		87	76 - 120	2	16
1,2-Dichloroethane	20.0	20.6		ug/L		103	72 - 151	2	16
1,2-Dichloropropane	20.0	19.1		ug/L		96	78 - 125	7	19
1,2-Dibromoethane (EDB)	20.0	18.5		ug/L		92	66 - 123	3	15
1,3-Dichlorobenzene	20.0	16.9		ug/L		85	76 - 120	1	17
1,3-Dichloropropane	20.0	18.6		ug/L		93	60 - 129	1	16
1,4-Dichlorobenzene	20.0	17.2		ug/L		86	76 - 122	3	16
2,2-Dichloropropane	20.0	13.5		ug/L		67	21 - 167	10	20
2-Butanone (MEK)	40.0	40.9		ug/L		102	36 - 135	2	19
2-Chloroethyl vinyl ether	40.0	44.7		ug/L		112	10 - 192	1	20
2-Chlorotoluene	20.0	16.5		ug/L		83	73 - 135	2	16
2-Hexanone	40.0	35.9		ug/L		90	36 - 191	2	17
3-Chloro-1-propene	20.0	17.1		ug/L		85	17 - 147	2	19
4-Chlorotoluene	20.0	16.8		ug/L		84	76 - 134	7	16
4-Isopropyltoluene	20.0	16.8		ug/L		84	75 - 127	3	17
4-Methyl-2-pentanone (MIBK)	40.0	40.0		ug/L		100	56 - 166	1	19
Acetone	40.0	34.7		ug/L		87	10 - 158	10	78
Benzene	20.0	17.8		ug/L		89	80 - 134	3	17
Bromobenzene	20.0	19.3		ug/L		97	72 - 120	0	17
Chlorobromomethane	20.0	21.0		ug/L		105	74 - 128	3	18
Dichlorobromomethane	20.0	20.2		ug/L		101	72 - 129	6	16
Bromoform	20.0	22.1		ug/L		111	73 - 120	5	44
Bromomethane	20.0	15.2		ug/L		76	38 - 189	1	27

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: LCSD 752-3646/6

Matrix: Water

Analysis Batch: 3646

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
Carbon disulfide	20.0	13.6		ug/L		68	65 - 173	13	38
Carbon tetrachloride	20.0	21.3		ug/L		107	68 - 142	0	17
Chlorobenzene	20.0	18.7		ug/L		93	80 - 120	4	16
sec-Butylbenzene	20.0	17.3		ug/L		86	75 - 122	1	17
Dichlorodifluoromethane	20.0	13.6		ug/L		68	25 - 161	10	48
Vinyl chloride	20.0	14.6		ug/L		73	49 - 150	6	27
Styrene	20.0	18.5		ug/L		93	73 - 120	2	23
tert-Butylbenzene	20.0	16.8		ug/L		84	70 - 137	6	22
Tetrachloroethene	20.0	20.3		ug/L		101	40 - 181	3	26
Toluene	20.0	18.5		ug/L		92	71 - 120	2	17
trans-1,2-Dichloroethene	20.0	15.8		ug/L		79	75 - 139	12	19
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	65 - 152	4	16
Trichloroethene	20.0	22.0		ug/L		110	74 - 120	1	22
Trichlorofluoromethane	20.0	18.9		ug/L		95	68 - 183	6	22
Chloroethane	20.0	18.9		ug/L		94	45 - 213	4	26
Chloroform	20.0	18.9		ug/L		95	78 - 138	4	17
Chloromethane	20.0	13.1		ug/L		66	56 - 171	8	28
cis-1,2-Dichloroethene	20.0	16.9		ug/L		84	69 - 120	5	18
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	63 - 125	4	17
Chlorodibromomethane	20.0	19.8		ug/L		99	73 - 120	3	16
Dibromomethane	20.0	21.3		ug/L		106	76 - 124	2	15
Ethylbenzene	20.0	18.5		ug/L		92	68 - 124	1	16
Hexachlorobutadiene	20.0	15.2		ug/L		76	63 - 120	4	19
Isopropyl ether	20.0	16.4		ug/L		82	45 - 120	9	20
Isopropylbenzene	20.0	18.4		ug/L		92	80 - 136	0	16
m-Xylene & p-Xylene	40.0	36.7		ug/L		92	79 - 121	1	16
Methylene Chloride	20.0	17.2		ug/L		86	68 - 128	9	17
Xylenes, Total	60.0	55.4		ug/L		92	77 - 121	0	16
N-Propylbenzene	20.0	18.2		ug/L		91	76 - 125	3	16
n-Butylbenzene	20.0	15.5		ug/L		78	68 - 126	3	16
Naphthalene	20.0	16.8		ug/L		84	50 - 127	1	19
1,2,3-Trichloropropane	20.0	19.1		ug/L		96	69 - 127	3	17
1,3,5-Trimethylbenzene	20.0	16.0		ug/L		80	77 - 129	9	16
o-Xylene	20.0	18.7		ug/L		94	71 - 125	3	15
1,2,3-Trichlorobenzene	20.0	15.7		ug/L		79	62 - 120	2	17
Methyl tert-butyl ether	20.0	18.3		ug/L		91	10 - 127	2	21

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Dibromofluoromethane (Surr)	96		67 - 129
4-Bromofluorobenzene (Surr)	110		53 - 136
Toluene-d8 (Surr)	106		59 - 134

Lab Sample ID: MRL 752-3646/4

Matrix: Water

Analysis Batch: 3646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1,2-Tetrachloroethane	1.00	1.51		ug/L		151	

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: MRL 752-3646/4

Matrix: Water

Analysis Batch: 3646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
1,1,1-Trichloroethane	1.00	1.01		ug/L		101	
1,1,2,2-Tetrachloroethane	1.00	0.908	J	ug/L		91	
1,1,2-Trichloroethane	1.00	1.01		ug/L		101	
1,1-Dichloroethane	1.00	1.06		ug/L		106	
1,1-Dichloroethene	1.00	1.06		ug/L		106	
1,1-Dichloropropene	1.00	1.45		ug/L		145	
1,2,4-Trichlorobenzene	1.00	1.25		ug/L		125	
1,2,4-Trimethylbenzene	1.00	1.08		ug/L		108	
1,2-Dibromo-3-Chloropropane	1.00	1.02		ug/L		102	
1,2-Dichlorobenzene	1.00	1.11		ug/L		111	
1,2-Dichloroethane	1.00	1.24		ug/L		124	
1,2-Dichloropropane	1.00	1.14		ug/L		114	
1,2-Dibromoethane (EDB)	1.00	1.05		ug/L		105	
1,3-Dichlorobenzene	1.00	1.04		ug/L		104	
1,3-Dichloropropane	1.00	0.946	J	ug/L		95	
1,4-Dichlorobenzene	1.00	1.12		ug/L		112	
2,2-Dichloropropane	1.00	1.07		ug/L		107	
2-Butanone (MEK)	2.00	10	U	ug/L		245	
2-Chloroethyl vinyl ether	2.00	2.26	J	ug/L		113	
2-Chlorotoluene	1.00	0.971	J	ug/L		97	
2-Hexanone	2.00	2.11	J	ug/L		106	
3-Chloro-1-propene	1.00	0.666	J	ug/L		67	
4-Chlorotoluene	1.00	0.932	J	ug/L		93	
4-Isopropyltoluene	1.00	0.987	J	ug/L		99	
4-Methyl-2-pentanone (MIBK)	2.00	2.15	J	ug/L		107	
Acetone	2.00	10	U	ug/L		0	
Benzene	1.00	1.23		ug/L		123	
Bromobenzene	1.00	1.18		ug/L		118	
Chlorobromomethane	1.00	1.49		ug/L		149	
Dichlorobromomethane	1.00	1.13		ug/L		113	
Bromoform	1.00	0.994	J	ug/L		99	
Bromomethane	1.00	1.57		ug/L		157	
Carbon disulfide	2.00	2.81	J	ug/L		140	
Carbon tetrachloride	1.00	1.26		ug/L		126	
Chlorobenzene	1.00	1.20		ug/L		120	
sec-Butylbenzene	1.00	1.03		ug/L		103	
Dichlorodifluoromethane	1.00	1.68		ug/L		168	
Vinyl chloride	1.00	1.22		ug/L		122	
Styrene	1.00	0.970	J	ug/L		97	
tert-Butylbenzene	1.00	1.04		ug/L		104	
Tetrachloroethene	1.00	1.18		ug/L		118	
Toluene	1.00	1.17		ug/L		117	
trans-1,2-Dichloroethene	1.00	1.43		ug/L		143	
trans-1,3-Dichloropropene	1.00	1.36		ug/L		136	
Trichloroethene	1.00	0.903	J	ug/L		90	
Trichlorofluoromethane	1.00	0.810	J	ug/L		81	
Chloroethane	1.00	1.42		ug/L		142	
Chloroform	1.00	1.35		ug/L		135	
Chloromethane	1.00	1.27		ug/L		127	

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QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: MRL 752-3646/4

Matrix: Water

Analysis Batch: 3646

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,2-Dichloroethene	1.00	1.34		ug/L		134	
cis-1,3-Dichloropropene	1.00	1.47		ug/L		147	
Chlorodibromomethane	1.00	1.15		ug/L		115	
Dibromomethane	1.00	1.41		ug/L		141	
Ethylbenzene	1.00	1.21		ug/L		121	
Hexachlorobutadiene	1.00	1.31		ug/L		131	
Isopropyl ether	1.00	0.975	J	ug/L		98	
Isopropylbenzene	1.00	1.08		ug/L		108	
m-Xylene & p-Xylene	2.00	2.38		ug/L		119	
Methylene Chloride	1.00	0.917	J	ug/L		92	
Xylenes, Total	3.00	3.44		ug/L		115	
N-Propylbenzene	1.00	1.16		ug/L		116	
n-Butylbenzene	1.00	0.897	J	ug/L		90	
Naphthalene	1.00	1.40		ug/L		140	
1,2,3-Trichloropropane	1.00	1.30		ug/L		130	
1,3,5-Trimethylbenzene	1.00	0.990	J	ug/L		99	
o-Xylene	1.00	1.06		ug/L		106	
1,2,3-Trichlorobenzene	1.00	1.19		ug/L		119	
Methyl tert-butyl ether	1.00	0.903	J	ug/L		90	

Surrogate	MRL %Recovery	MRL Qualifier	Limits
Dibromofluoromethane (Surr)	97		67 - 129
4-Bromofluorobenzene (Surr)	108		53 - 136
Toluene-d8 (Surr)	107		59 - 134

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

Lab Sample ID: MB 680-787871/7

Matrix: Water

Analysis Batch: 787871

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	0.32	U	0.50	0.32	ug/L			07/12/23 13:20	1
Surrogate	MB %Recovery	MB Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	89		70 - 130					07/12/23 13:20	1

Lab Sample ID: LCS 680-787871/4

Matrix: Water

Analysis Batch: 787871

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analysis Data: 10/10/17									
Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane			10.0	8.92		ug/L		89	70 - 130
Surrogate	LCS %Recovery	LCS Qualifier	Limits						
4-Bromofluorobenzene (Surr)	115		70 - 130						

Eurofins Raleigh

QC Sample Results

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

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

Lab Sample ID: LCSD 680-787871/5

Matrix: Water

Analysis Batch: 787871

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	9.02		ug/L		90	70 - 130	1	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	122		70 - 130

Lab Sample ID: 752-9097-5 MS

Matrix: Water

Analysis Batch: 787871

Client Sample ID: MW-7B

Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	102		70 - 130

Lab Sample ID: 752-9097-5 MSD

Matrix: Water

Analysis Batch: 787871

Client Sample ID: MW-7B

Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130

QC Association Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

GC/MS VOA

Analysis Batch: 3646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-9097-1	AW-2	Total/NA	Water	8260D	
752-9097-2	AW-3	Total/NA	Water	8260D	
752-9097-3	AW-4	Total/NA	Water	8260D	
752-9097-4	AWB-4	Total/NA	Water	8260D	
752-9097-5	MW-7B	Total/NA	Water	8260D	
752-9097-6	OW-SF1	Total/NA	Water	8260D	
752-9097-7	OW-SIS1	Total/NA	Water	8260D	
752-9097-8	PW-3D	Total/NA	Water	8260D	
752-9097-9	PW-SIS7	Total/NA	Water	8260D	
752-9097-10	PW-SIS8	Total/NA	Water	8260D	
752-9097-11	PW-SF1	Total/NA	Water	8260D	
752-9097-12	R-1	Total/NA	Water	8260D	
752-9097-13	RW-SIS1	Total/NA	Water	8260D	
MB 752-3646/8	Method Blank	Total/NA	Water	8260D	
LCS 752-3646/5	Lab Control Sample	Total/NA	Water	8260D	
LCSD 752-3646/6	Lab Control Sample Dup	Total/NA	Water	8260D	
MRL 752-3646/4	Lab Control Sample	Total/NA	Water	8260D	

Analysis Batch: 787871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
752-9097-1	AW-2	Total/NA	Water	8260D SIM 14D	
752-9097-2	AW-3	Total/NA	Water	8260D SIM 14D	
752-9097-3	AW-4	Total/NA	Water	8260D SIM 14D	
752-9097-4	AWB-4	Total/NA	Water	8260D SIM 14D	
752-9097-5	MW-7B	Total/NA	Water	8260D SIM 14D	
752-9097-6	OW-SF1	Total/NA	Water	8260D SIM 14D	
752-9097-7	OW-SIS1	Total/NA	Water	8260D SIM 14D	
752-9097-8	PW-3D	Total/NA	Water	8260D SIM 14D	
752-9097-9	PW-SIS7	Total/NA	Water	8260D SIM 14D	
752-9097-10	PW-SIS8	Total/NA	Water	8260D SIM 14D	
752-9097-11	PW-SF1	Total/NA	Water	8260D SIM 14D	
752-9097-12	R-1	Total/NA	Water	8260D SIM 14D	
752-9097-13	RW-SIS1	Total/NA	Water	8260D SIM 14D	
MB 680-787871/7	Method Blank	Total/NA	Water	8260D SIM 14D	
LCS 680-787871/4	Lab Control Sample	Total/NA	Water	8260D SIM 14D	
LCSD 680-787871/5	Lab Control Sample Dup	Total/NA	Water	8260D SIM 14D	
752-9097-5 MS	MW-7B	Total/NA	Water	8260D SIM 14D	
752-9097-5 MSD	MW-7B	Total/NA	Water	8260D SIM 14D	

Lab Chronicle

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: AW-2

Date Collected: 07/06/23 11:25

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	3646	RY	EET ESC	07/13/23 08:32
Total/NA	Analysis	8260D SIM 14D		10	787871	RKJ	EET SAV	07/12/23 15:58

Client Sample ID: AW-3

Date Collected: 07/06/23 09:30

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	3646	RY	EET ESC	07/13/23 09:02
Total/NA	Analysis	8260D SIM 14D		25	787871	RKJ	EET SAV	07/12/23 17:15

Client Sample ID: AW-4

Date Collected: 07/06/23 09:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	3646	RY	EET ESC	07/13/23 09:31
Total/NA	Analysis	8260D SIM 14D		10	787871	RKJ	EET SAV	07/12/23 16:23

Client Sample ID: AWB-4

Date Collected: 07/06/23 09:10

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		50	3646	RY	EET ESC	07/13/23 10:01
Total/NA	Analysis	8260D SIM 14D		50	787871	RKJ	EET SAV	07/12/23 18:06

Client Sample ID: MW-7B

Date Collected: 07/06/23 11:40

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	3646	RY	EET ESC	07/13/23 10:31
Total/NA	Analysis	8260D SIM 14D		2500	787871	RKJ	EET SAV	07/12/23 21:05

Client Sample ID: OW-SF1

Date Collected: 07/06/23 12:15

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		200	3646	RY	EET ESC	07/13/23 11:01
Total/NA	Analysis	8260D SIM 14D		250	787871	RKJ	EET SAV	07/12/23 18:57

Lab Chronicle

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: OW-SIS1

Date Collected: 07/06/23 10:15

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		100	3646	RY	EET ESC	07/13/23 11:31
Total/NA	Analysis	8260D SIM 14D		500	787871	RKJ	EET SAV	07/12/23 19:48

Client Sample ID: PW-3D

Date Collected: 07/06/23 12:35

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	3646	RY	EET ESC	07/13/23 12:00
Total/NA	Analysis	8260D SIM 14D		10	787871	RKJ	EET SAV	07/12/23 16:49

Client Sample ID: PW-SIS7

Date Collected: 07/06/23 10:35

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		50	3646	RY	EET ESC	07/13/23 12:30
Total/NA	Analysis	8260D SIM 14D		50	787871	RKJ	EET SAV	07/12/23 18:31

Client Sample ID: PW-SIS8

Date Collected: 07/06/23 11:10

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		50	3646	RY	EET ESC	07/13/23 13:00
Total/NA	Analysis	8260D SIM 14D		250	787871	RKJ	EET SAV	07/12/23 19:22

Client Sample ID: PW-SF1

Date Collected: 07/06/23 11:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		500	3646	RY	EET ESC	07/13/23 13:29
Total/NA	Analysis	8260D SIM 14D		1000	787871	RKJ	EET SAV	07/12/23 20:39

Client Sample ID: R-1

Date Collected: 07/06/23 12:05

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		2000	3646	RY	EET ESC	07/13/23 13:59
Total/NA	Analysis	8260D SIM 14D		500	787871	RKJ	EET SAV	07/12/23 20:14

Eurofins Raleigh

Lab Chronicle

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Client Sample ID: RW-SIS1

Date Collected: 07/06/23 10:55

Date Received: 07/07/23 09:30

Lab Sample ID: 752-9097-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		10	3646	RY	EET ESC	07/13/23 14:29
Total/NA	Analysis	8260D SIM 14D		25	787871	RKJ	EET SAV	07/12/23 17:40

Laboratory References:

EET ESC = Eurofins Raleigh, 102-A Woodwinds Industrial Court, Cary, NC 27511, TEL (919)677-1669

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

Accreditation/Certification Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Laboratory: Eurofins Raleigh

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

Authority	Program	Identification Number	Expiration Date
North Carolina (WW/SW)	State	591	12-31-23

Laboratory: Eurofins Savannah

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
	AFCEE	SAVLAB	
Alabama	State	41450	06-30-24
ANAB	Dept. of Defense ELAP	L2463	09-22-24
Arkansas DEQ	State	19-015-0	02-01-24
California	State	2939	06-30-23 *
Florida	NELAP	E87052	06-30-24
Georgia	State	E87052	06-30-24
Georgia (DW)	State	803	06-30-24
Guam	State	19-007R	04-17-24
Hawaii	State	<cert No.>	06-30-23 *
Illinois	NELAP	200022	11-30-23
Iowa	State	353	07-01-25
Kentucky (UST)	State	NA	06-30-24
Louisiana	NELAP	30690	06-30-24
Louisiana (All)	NELAP	30690	06-30-24
Louisiana (DW)	State	LA009	12-31-23
Maine	State	GA00006	09-25-24
Maryland	State	250	12-31-23
Massachusetts	State	M-GA006	06-30-24
Michigan	State	9925	06-30-24
Mississippi	State	<cert No.>	06-30-24
Nebraska	State	NE-OS-7-04	06-30-24
New Jersey	NELAP	GA769	06-30-24
New Mexico	State	GA00006	06-30-24
North Carolina (DW)	State	13701	07-31-23
North Carolina (WW/SW)	State	269	12-31-23
Pennsylvania	NELAP	68-00474	06-30-24
Puerto Rico	State	GA00006	01-01-24
South Carolina	State	98001	06-30-23 *
Tennessee	State	TN02961	06-30-24
Texas	NELAP	T1047004185-19-14	11-30-23
Texas	TCEQ Water Supply	T104704185	06-30-24
USDA	US Federal Programs	P330-18-00313	09-03-24
Virginia	NELAP	460161	06-14-24
Wyoming	State	8TMS-L	06-30-23 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Eurofins Raleigh

Method Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET ESC
8260D SIM 14D	Volatile Organic Compounds (GC/MS)	SW846	EET SAV
5030C	Purge and Trap	SW846	EET ESC
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 ESC = Eurofins Raleigh, 102-A Woodwinds Industrial Court, Cary, NC 27511, TEL (919)677-1669

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

Sample Summary

Client: Babb & Associates
Project/Site: Seaboard EX SYS Eval

Job ID: 752-9097-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
752-9097-1	AW-2	Water	07/06/23 11:25	07/07/23 09:30
752-9097-2	AW-3	Water	07/06/23 09:30	07/07/23 09:30
752-9097-3	AW-4	Water	07/06/23 09:55	07/07/23 09:30
752-9097-4	AWB-4	Water	07/06/23 09:10	07/07/23 09:30
752-9097-5	MW-7B	Water	07/06/23 11:40	07/07/23 09:30
752-9097-6	OW-SF1	Water	07/06/23 12:15	07/07/23 09:30
752-9097-7	OW-SIS1	Water	07/06/23 10:15	07/07/23 09:30
752-9097-8	PW-3D	Water	07/06/23 12:35	07/07/23 09:30
752-9097-9	PW-SIS7	Water	07/06/23 10:35	07/07/23 09:30
752-9097-10	PW-SIS8	Water	07/06/23 11:10	07/07/23 09:30
752-9097-11	PW-SF1	Water	07/06/23 11:55	07/07/23 09:30
752-9097-12	R-1	Water	07/06/23 12:05	07/07/23 09:30
752-9097-13	RW-SIS1	Water	07/06/23 10:55	07/07/23 09:30

Client Information Client Contact: Craig Coslett Company: Seaboard Group		Lab PM: Scott, Bill E-Mail: Bill.Scott@et.eurofinsus.com		Carrier Tracking No(s): 752-797-252.1 State of Origin: NC		COC No: 752-797-252.1 Page: Page 1 of 2 Job #:	
Address: 1550 Pond Road Suite 120 c/o Craig Coslett-de-maximis, inc. City: Allentown State, Zip: PA, 18104 Phone: 919-605-4713(Tel) Email: ccoslett@denaximis.com Project Name: Seaboard EX SYS Eval Site:		Due Date Requested: TAT Requested (days): Compliance Project: ☐ Yes ☒ No PO #: Purchase Order not required WO #:		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 Other:	
Sample Identification		Sample Date Sample Time Sample Type (C=Comp, G=Grab) Matrix (Residue, Swab, Q=Residue, Analyt) Preservation Code:		Field Filtered Sample (Yes or No) Perform MRM/MS (Yes or No) 8260D SIM 140X Routine List 8260D 8260 Standard List		Total Number of Containers: 9007 Special Instructions/Note:	
AW-2	7-6-23	1125	G	Water			
AW-3	7-6-23	0830	G	Water			
AW-4	7-6-23	0835	G	Water			
AWB-4	7-6-23	0910	G	Water			
MW-7B	7-6-23	1140	G	Water			
OW-SF1	7-6-23	1215	G	Water			
OW-SIS1	7-6-23	1215	G	Water			
PW-3D	7-6-23	1235	G	Water			
PW-SIS7	7-6-23	1035	G	Water			
PW-SIS8	7-6-23	1110	G	Water			
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		Special Instructions/QC Requirements:		Method of Shipment:	
Relinquished by: Russell Burr Relinquished by:		Date/Time: 7-6-23 / 1330 Date/Time:		Received by: [Signature] Received by:		Date/Time: 7-6-23 930 Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Relinquished by:		Date/Time:		Received by:		Date/Time:	
Custody Seals Intact: A Yes A No Custody Seal No.		Cooler Temperature(s) °C and Other Remarks: 2.0					

[illegible]

Eurofins Raleigh

102-A Woodwinds Industrial Court
Cary, NC 27511
Phone 919-677-1669

Chain of Custody Record



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Environment Testing

Client Information (Sub Contract Lab)		Sampler		Lab PM Scott, Bill		Carrier Tracking No(s)		COC No 752-999 1	
Client Contact: Shipping/Receiving		Phone		E-Mail: Bill Scott@et eurofinsus.com		State of Origin North Carolina		Page Page 1 of 2	
Company Eurofins Environment Testing Southeast,				Accreditations Required (See note). State - North Carolina (WW/SW)				Job #: 752-9097-1	
Address 5102 LaRoche Avenue,		Due Date Requested 7/19/2023		Analysis Requested				Preservation Codes: A HCL M Hexane B - NaOH N - None C Zn Acetate O AsNaO2 D Nitric Acid P - Na2O4S E NaHSO4 Q Na2SO3 F - MeOH R - Na2S2O3 G Amchlor S - H2SO4 H - Ascorbic Acid T TSP Dodecahydrate I Ice U Acetone J - DI Water V - MCAA K EDTA W pH 4-5 L EDA Y - Trizma Z other (specify) Other:	
City Savannah		TAT Requested (days)							
State Zip: GA, 31404		PO #:		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		Total Number of containers	
Phone 912-354-7858(Tel) 912-352-0165(Fax)		WO #:		8260D_SIM_14DX/5030C Routine List					
Email									
Project Name Seaboard EX SYS Eval		Project #: 75200863							
Site		SSOW#							
Sample Identification - Client ID (Lab ID)		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	
						Preservation Code:			
AW-2 (752-9097-1)		7/6/23		11 25 Eastern		Water		X	
AW-3 (752-9097-2)		7/6/23		09 30 Eastern		Water		X	
AW-4 (752-9097-3)		7/6/23		09 55 Eastern		Water		X	
AWB-4 (752-9097-4)		7/6/23		09 10 Eastern		Water		X	
MW-7B (752-9097-5)		7/6/23		11 40 Eastern		Water		X	
OW-SF1 (752-9097-6)		7/6/23		12 15 Eastern		Water		X	
OW-SIS1 (752-9097-7)		7/6/23		10 15 Eastern		Water		X	
PW-3D (752-9097-8)		7/6/23		12 35 Eastern		Water		X	
PW-SIS7 (752-9097-9)		7/6/23		10 35 Eastern		Water		X	
Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Southeast, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Southeast, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Southeast, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Southeast, LLC.									
Possible Hazard Identification					Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)				
Unconfirmed					☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months				
Deliverable Requested I, II, III, IV, Other (specify)					Primary Deliverable Rank 2				
					Special Instructions/QC Requirements				
Empty Kit Relinquished by:					Date				
Relinquished by:					Date/Time: 7/23 1315				
Relinquished by:					Date/Time: 7/23 1315				
Relinquished by:					Date/Time: 7/23 1315				
Custody Seals Intact Δ Yes Δ No					Custody Seal No				
					Cooler Temperature(s) °C and Other Remarks. 1-9/20				

Chain of Custody Record

[illegible]

Login Sample Receipt Checklist

Client: Babb & Associates

Job Number: 752-9097-1

Login Number: 9097

List Number: 1

Creator: Hyatt, Samantha

List Source: Eurofins Raleigh

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

Login Sample Receipt Checklist

Client: Babb & Associates

Job Number: 752-9097-1

Login Number: 9097

List Number: 2

Creator: Padayao, Abigail

List Source: Eurofins Savannah

List Creation: 07/08/23 11:57 AM

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