



VIA ELECTRONIC MAIL

August 22, 2025

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**Subject: Quarterly Status Report No. 35 - Offsite Area
Former Kop-Flex Facility Site, Hanover, Maryland**

Dear Tate:

On behalf of EMERSUB 16 LLC, a subsidiary of Emerson Electric Co. (Emerson), WSP USA Inc. (WSP) is submitting this quarterly status report describing the response action activities conducted in the Second Quarter of 2025 in the off-property portion of the Former Kop-Flex Inc. Site in Hanover, Maryland (Site). If you have any questions, please do not hesitate to contact me at 703-709-6500.

Kind regards,

Robert E. Johnson
Vice President – Earth & Environment

Encl.

cc: Mr. Brian Deitz, Site Assessment and Remediation Division, MDE
Ms. Deborah Goldblum, U.S. Environmental Protection Agency (EPA), Region III
Ms. Lisa Douglas, Emerson Electric Co.
Reza Zarghamee, Esquire, Pillsbury Winthrop Shaw Pittman

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QUARTERLY STATUS REPORT NO. 35 – OFFSITE AREA

FORMER KOP-FLEX FACILITY SITE

April 2025 through June 2025

Site Name: Former Kop-Flex Inc.
Site Address: 7555 Harmans Road
Hanover, Maryland 21076

Consultant: WSP USA Inc.
Address: 13530 Dulles Technology Drive, Suite 300
Herndon, Virginia 20171
Phone No.: (703) 709-6500

Project Coordinator: Eric Johnson, WSP USA
Alternate: Lisa Kelly, WSP USA

1.0 OFFSITE ACTIVITIES CONDUCTED DURING APRIL 2025 – JUNE 2025 REPORTING PERIOD

SEMI-ANNUAL GROUNDWATER MONITORING ACTIVITIES

- The offsite monitoring wells screened in the Lower Patapsco aquifer and underlying Patuxent aquifer were sampled on June 15-16, 2025, with the exception of well MW-32D along Severn Station Road. This well could not be sampled as it was located in an area of ponded water along the shoulder area following heavy rain¹.
- All groundwater samples were collected using a disposable no-purge sampling device (HydraSleeve™) previously deployed in each well. For most of the wells, the top of the HydraSleeve™ samplers were suspended at the midpoint of the screen such that retrieval would collect water from the overlying interval equal to the sampler length, which is 3.2 feet (Table 1). Longer HydraSleeve™ samplers were set in the paired MW-25D wells to collect a sufficient volume of water to allow for the collection of field quality control (QC) samples (field duplicate and matrix spike, matrix spike duplicate [MS/MSD]). Given their greater length, the top of these samplers was placed at a depth slightly below the screen mid-point to ensure the collection of water from within the screened interval. A blind field duplicate sample was collected from MW-25D-130, and a MS/MSD sample was collected from well MW-25D-190 during the sampling event.
- Groundwater samples were obtained by carefully removing the HydraSleeve™ sampler from the well and decanting a representative portion of the collected water into the laboratory-supplied containers. A separate aliquot of sample was then poured into the sampling cup of a hand-held, multi-parameter water quality meter to measure temperature, pH, specific conductance, and turbidity in the field. The results of the field parameter measurements for each sampling location are provided in Table 2. Hydrogeochemical parameters could not be measured for the samples from wells MW-25D-130 and MW-25D-190 because the volume necessary to collect the field QC samples at these two locations did not leave sufficient water for measurement of these field parameters. Additionally, the specific conductance was not able to be measured at well MW-33D-235 as the aliquot was lost before the measurement was recorded.

EVALUATION OF THE GROUNDWATER LEVEL DATA

- As part of the sampling activities, WSP measured the depth to water in all monitoring wells, with the exception of well MW-32D, which could not be accessed. Depth-to-water measurements obtained during the June field activities, along

¹ A second attempt to sample well MW-32D was made on July 11, 2025, but the well could not be located in the grassy area bordering the roadway.



with previous monitoring events, are provided in Table 3. The depth to water measurements from the onsite deep wells and wells located on the Williams Scotsman property (MW-24D and MW-45) and Verizon property (MW-46D) were obtained on June 15th when the hydraulic containment system (System) was shut down. The remainder of the offsite wells were gauged on June 16th when the System resumed operation.

- A potentiometric surface contour map for the deep zone of the Lower Patapsco aquifer is shown in Figure 1 using the water level data obtained during the June 15-16, 2025, sampling activities. Even though most of the water level data were collected while the System was operational, all of the wells gauged on June 16th lie outside of the historical zone of pumping influence when the System is operational. Therefore, groundwater elevations would not be affected by pumping at the scale of Figure 1. The zone of drawdown, or cone of depression, observed in prior sampling events around onsite wells MW-1D and MW-21D is also absent in this data set. Thus, the contoured June 2025 water level data shown in Figure 1 reflects the hydraulic heads under non-pumping conditions.

The general direction of groundwater flow in this deep zone of the Lower Patapsco aquifer is to the south-southeast and southeast in the offsite area, which is consistent with determinations from contour maps previously generated from data collected under non-pumping conditions. As indicated by the gradient in the potentiometric surface, the groundwater flow direction in the deep zone of the Lower Patapsco aquifer differs from the direction of flow in the shallow zone of this aquifer, which is generally to the west-northwest across the Site toward Stony Run. Low permeability, clayey confining zones, or aquitards, together with local hydrologic conditions prevent the movement of groundwater and associated dissolved constituents from the deep zone of the Lower Patapsco aquifer to the shallow zone in the offsite area. As discussed below, the Arundel Clay aquitard would significantly limit the movement of groundwater and constituents from the deep zone of the Lower Patapsco aquifer to the underlying Patuxent Aquifer.

GROUNDWATER SAMPLING RESULTS

- The analytical results for samples collected from the offsite monitoring wells in June 2025 are summarized in Table 4. Copies of the certified laboratory analytical reports for these samples are provided in Enclosure A.² Historical groundwater sampling data for the offsite monitoring wells can be found in Enclosure B. Concentrations of the primary site-related constituents of concern (COCs) in the June 2025 samples are shown on Figure 2.
- No site-related COCs were detected in the shallow zone well MW-45 on the Williams Scotsman property (Table 4). Thus, the following discussion concerns the results for samples from the deep zone of the Lower Patapsco aquifer and underlying Patuxent aquifer.

DEEP ZONE OF LOWER PATAPSCO AQUIFER NORTH OF THE SITE

Site-related COCs were detected in the sample from well MW-46D, which is screened in the upper-most portion of the deep zone of the Lower Patapsco aquifer on the neighboring Verizon property to the north of the Site. The total COC concentration in the MW-46D sample (29.2 micrograms per liter [$\mu\text{g/l}$]) is less than the concentration observed in the November 2024 sample (71.9 $\mu\text{g/l}$; Enclosure B – Table B-1). Concentrations of 1,1-DCA (1.7 $\mu\text{g/l}$), 1,1-DCE (10.7 $\mu\text{g/l}$), and 1,4-dioxane (16.8 $\mu\text{g/l}$) decreased in the June 2025 sample for this well, but concentrations of 1,1-DCE and 1,4-dioxane still exceeded their respective groundwater quality criteria (Table 4).³ The latest concentrations of COCs detected – particularly 1,1-DCE and 1,4-dioxane – fall within a generally decreasing concentration trend at this well location which

² The laboratory reporting sheets, and associated QC data are provided in the certified analytical reports that are included in Enclosure D of *Corrective Measures Quarterly Progress Report No. 35*, which was submitted on August 1, 2025.

³ All cleanup standards, except for 1,4-dioxane, are equal to the Maryland Generic Numeric Cleanup Standards for Groundwater, Type I and II Aquifers, from the State of Maryland Interim Final Guidance (October 2018). The comparative criterion for 1,4-dioxane is the Maryland Department of the Environment Risk-Based action level of 4.6 $\mu\text{g/l}$.



started around the 2021-2022 timeframe. The recent declines are believed to reflect changes associated with the in-flow, or capture, of groundwater by the deep recovery wells for the hydraulic containment system.

DEEP ZONE OF LOWER PATAPSCO AQUIFER SOUTH OF THE SITE

- The analytical data indicate the detection of site-related COCs just over one mile hydraulically downgradient (south-southeast) of the Site, with the presence of these constituents limited to the deep zone of the Lower Patapsco aquifer. In the offsite area to the immediate south of the Site, the sample from monitoring well MW-24D on the adjoining Williams-Scotsman property had the highest concentration of site-related COCs (1,118 µg/l) in the deep zone of the Lower Patapsco aquifer. This total COC concentration is slightly lower than the total detected in November 2024 (1,181 µg/l) and is entirely attributable to a decrease in the concentration of 1,1-DCE. The change in total COCs does not appear to be indicative of a long-term trend and is similar to the fluctuations seen throughout the sampling history of the well.
- Further downgradient, a total concentration of site-related COCs of 124.6 µg/l was detected in the primary MW-25D-130 sample, which is slightly less than from the November 2024 event (126.8 µg/l). The concentration of 1,1-DCE (90.8 µg/l), the primary VOC detected at this well, remains essentially unchanged and the concentration of 1,4-dioxane (19.8 µg/l) decreased only slightly between the two sampling periods. Overall, the historical trend for 1,4-dioxane in this well has been asymptotic, whereas, since late 2021, the concentrations of 1,1-DCE have increased slightly after a period of long-term decline between 2014 and 2021.

At the paired well MW-25D-190⁴, the total site-related COC concentration of 38.9 µg/l was lower than that observed in the shallower well at this location (MW-25D-130) and slightly higher than the December 2024 sample result (see Enclosure B). Overall, the VOC concentrations in this well have decreased throughout its sampling history, and the results for the last three samples represent the lowest concentrations detected at this location since sampling began in 2015. Even with the long-term decreasing trends, the concentrations of 1,1-DCE, 1,1-DCA, and 1,4-dioxane are still above their respective comparative groundwater quality criteria.

- The majority of the sampling data for the deep zone monitoring wells located further downgradient indicated non-detect to low concentrations of site related COCs (Figure 2 and Table 4). Notable concentrations were detected in the sample from well MW-30D-273, which is located along the presumed centerline of the COC plume within the deep zone of the Lower Patapsco aquifer. The concentration of 1,1-DCE (77.2 µg/l) in the groundwater sample collected from this well increased by 52 percent between November 2024 and June 2025 (Enclosure B). This concentration is the highest observed at this location since sampling began in 2018. The concentration of 1,4-dioxane (16.6 µg/l) increased by 42 percent relative to the November 2024 sample with concentrations of this compound gradually increasing from 2022 to present.
- The most downgradient well with detectable concentrations of COCs (MW-33D-295) contained 1,1-DCE at 10.3 µg/l which is above the comparative criterion of 7 µg/l (Table 4). This sample also had a low detection (3.4 µg/l) of 1,4-dioxane below the evaluation criterion. Overall, concentrations of 1,1-DCE in this well have been increasing incrementally from 2022 to present, while the 1,4-dioxane levels exhibit a slight decreasing trend from 2015 to 2022 and then becoming generally stable.
- Groundwater samples from the remaining wells screened in the deep zone of the Lower Patapsco aquifer are used to delineate the width and downgradient extent of the COC plume in the offsite area. Along the western boundary of the plume, the concentration of 1,1-DCE (17.9 µg/l) exceeded the comparative criterion in the sample collected from MW-28D (Table 4). The sample from this well also contained 4.3 µg/l of 1,4-dioxane. In the area along the eastern plume boundary, the sample from well MW-29D, which is located east of the MW-25D well pair, had no detections of

⁴The sample from this well was erroneously labeled MW-25D-190 in the field (see Table 4). The correct well ID for this sample is MW-25D-192.



COCs. No site-related COCs were detected in the samples from wells around the leading edge of the deep zone plume (MW-31D, MW-34D, and MW-35D) (Table 4, Figure 2).

PATUXENT AQUIFER

Monitoring well MW-36D and the deeper well at the MW-30D location (MW-30D-413) are screened in the Patuxent aquifer, which underlies the Lower Patapsco aquifer. Site-related COCs are not anticipated to be in the Patuxent aquifer due to the presence of a thick, clayey unit (Arundel Clay) overlying this aquifer that serves as an aquitard or geologic unit comprised of low permeability materials that significantly restricts the flow of groundwater and spreading of dissolved solutes. Consistent with previous monitoring events, no site-related COCs were detected in the samples from these wells, indicating constituents have not migrated downward through the Arundel Clay confining unit that separates the Lower Patapsco and Patuxent aquifers.

2.0 OFFSITE ACTIVITIES FOR THE NEXT REPORTING PERIOD (JULY 2025 THROUGH SEPTEMBER 2025)

No field activities are planned for the third quarter of the 2025 reporting period. Pursuant to the approved Offsite Groundwater Monitoring Plan (dated September 15, 2015), groundwater monitoring is currently conducted on a semi-annual schedule. Therefore, the next groundwater monitoring event for the offsite well network will be performed during the Fall of 2025.

3.0 KEY PERSONNEL/FACILITY CHANGES

During the second quarter of 2025, EMERSUB 16 designated Lisa Douglas as the new project manager to oversee the completion of the response action activities at the Site. Ms. Douglas has been working with the previous EMERSUB 16 project manager, Steve Clarke, and WSP to gain an understanding of the conditions in the offsite area and sampling and other activities that have been performed to prevent exposure to COC-affected groundwater.

TABLES

Table 1

**Hydrasleeve Deployment Depths and Sample Intervals - Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland (a)**

Well ID	Well Depth (ft bgs)	Top of Screen (ft bgs)	Deployment Depth (ft bgs)	Sample Interval (ft bgs)
Shallow LPA Zone				
MW-45	38	28	33	29.8 - 33.0
Deep LPA Zone				
MW-24D	128.5	119	123.5	120.3 - 123.5
MW-25D-130	130	120	126.5	122.1-126.5
MW-25D-190	190	180	188.2	183.2 - 188.2
MW-28D	210	200	205	201.8 - 205.0
MW-29D	151	141	146	142.8 - 146.0
MW-30D-273	273	263	268	264.8 - 268.0
MW-31D	280	270	275	271.8 - 275.0
MW-33D-235	235	225	230	226.8 - 230.0
MW-33D-295	295	285	290	286.8 - 290.0
MW-34D	385	375	380	376.8 - 380.0
MW-35D	298	288	293	289.8 - 293.0
MW-46D	90	80	85	81.8 - 85.0
Patuxent Aquifer				
MW-30D-413	413	403	408	404.8 - 408
MW-36D	360	350	355	351.8 - 355.0

a/ ft bgs = feet below ground surface; LPA = Lower Patapsco Aquifer

Table 2

**Field Hydrogeochemical Measurements
Offsite Monitoring Well Sampling - June 2025
Former Kop-Flex Facility Site
Hanover, MD (a)**

Well ID	Temperature (°C)	pH (SU)	Specific Conductivity (mS/cm)	Turbidity (NTU)
Shallow LPA Zone				
MW-45	16.07	4.79	0.428	0.0
Deep LPA Zone				
MW-24D	16.42	4.39	0.161	90.8
MW-25-130	Not Measured - Insufficient Sample Volume			
MW-25-190	Not Measured - Insufficient Sample Volume			
MW-28D	15.49	4.52	0.094	651
MW-29D	15.51	6.86	27.1	201
MW-30D-273	15.08	4.30	0.034	407
MW-31D	15.03	7.07	0.135	24
MW-33D-235	15.87	5.30	Not Measured	121
MW-33D-295	15.39	5.78	0.050	172
MW-34D	15.55	6.52	1.42	164
MW-35D	17.36	6.38	0.141	786
Patuxent Aquifer				
MW-30D-413	15.38	4.55	0.040	487
MW-36D	16.15	4.53	0.032	68

a/ °C = degrees Celsius; SU = standard units; mS/cm = milliSiemens/centimeter;
 ORP = oxidation-reduction potential; mV = millivolts; NTU = nephelometric turbidity
 units; LPA = Lower Patapsco Aquifer.

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	3/17/2015		6/15/2015		9/21/2015		1/4/2016		3/21/2016	
			Depth to Water	Groundwater Elevation								
MW-25S *	Shallow LPA	130.6	12.84	117.76	12.46	118.14	14.33	116.27	13.48	117.12	12.75	117.85
MW-28S *	Shallow LPA	150.5	25.56	124.94	25.24	125.26	25.88	124.62	25.35	125.15	25.34	125.16
MW-45	Shallow LPA	126.7	NM	-								
MW-24D	Deep LPA	129.1	50.9	78.20	49.29	79.81	NM	-	NM	-	44.38	84.72
MW-25D-130	Deep LPA	130.5	58.7	71.80	57.59	72.91	58.26	72.24	53.95	76.55	51.01	79.49
MW-25D-192	Deep LPA	130.5	59.99	70.51	56.4	74.10	57.23	73.27	53.05	77.45	50.27	80.23
MW-28D	Deep LPA	150.5	93.06	57.44	89.36	61.14	90.34	60.16	84.62	65.88	80.72	69.78
MW-29D	Deep LPA	131.9	NM	-								
MW-30D-273	Deep LPA	153.5	NM	-								
MW-31D	Deep LPA	162.5	114.02	48.48	108.58	53.92	109.51	52.99	102.44	60.06	98.41	64.09
MW-32D	Deep LPA	156.1	NM	-								
MW-33D-235	Deep LPA	178.6	131.83	46.77	125.66	52.94	127.11	51.49	119.14	59.46	115.25	63.35
MW-33D-295	Deep LPA	178.3	131.52	46.78	125.42	52.88	126.91	51.39	118.90	59.40	114.96	63.34
MW-34D	Deep LPA	183.9	NM	-								
MW-35D	Deep LPA	177.8	132.01	45.79	126.28	51.52	127.89	49.91	118.96	58.84	114.34	63.46
MW-46D	Deep LPA	124.8	NM	-								
MW-30D-413	Patuxent	153.1	NM	-								
MW-36D	Patuxent	158.7	NM	-								

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	12/7/2016		5/1/2017		8/31/2017		11/14/2017		2/13/2018		5/31/2018	
			Depth to Water	Groundwater Elevation										
MW-25S *	Shallow LPA	130.6	14.61	115.99	14.02	116.58	14.09	116.51	14.6	116.00	14.56	116.04	13.10	117.50
MW-28S *	Shallow LPA	150.5	26.8	123.70	27.4	123.10	27.2	123.30	27.22	123.28	27.48	123.02	27.42	123.08
MW-45	Shallow LPA	126.7	NM	-	13.67	113.05	NM	-	NM	-	NM	-	12.98	113.74
MW-24D	Deep LPA	129.1	46.3	82.80	48.35	80.75	48.35	80.75	51.99	77.11	NM	-	50.94	78.16
MW-25D-130	Deep LPA	130.5	50.27	80.23	53.80	76.70	61.38	69.12	58.46	72.04	58.31	72.19	58.23	72.27
MW-25D-192	Deep LPA	130.5	52.4	78.10	53.11	77.39	60.36	70.14	58.71	71.79	57.49	73.01	57.40	73.10
MW-28D	Deep LPA	150.5	83.35	67.15	82.72	67.78	94.55	55.95	89.03	61.47	67.37	83.13	88.75	61.75
MW-29D	Deep LPA	131.9	NM	-	64.94	66.98								
MW-30D-273	Deep LPA	153.5	NM	-	98.66	54.88								
MW-31D	Deep LPA	162.5	114.20	48.30	100.24	62.26	115.67	46.83	107.21	55.29	106.29	56.21	106.80	55.70
MW-32D	Deep LPA	156.1	NM	-	97.90	58.24								
MW-33D-235	Deep LPA	178.6	114.2	64.40	117.26	61.34	133.39	45.21	124.55	54.05	123.79	54.81	124.00	54.60
MW-33D-295	Deep LPA	178.3	131.50	46.80	117.03	61.27	133.14	45.16	124.36	53.94	123.60	54.70	123.83	54.47
MW-34D	Deep LPA	183.9	NM	-	132.70	51.21								
MW-35D	Deep LPA	177.8	131.91	45.89	117.28	60.52	133.55	44.25	125.59	52.21	124.02	53.78	124.27	53.53
MW-46D	Deep LPA	124.8	NM	-										
MW-30D-413	Patuxent	153.1	NM	-	138.10	15.03								
MW-36D	Patuxent	158.7	NM	-	141.75	16.96								

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	8/23/2018		11/8/2018		2/19/2019		5/22/2019		8/6/2019		11/20/2019	
			Depth to Water	Groundwater Elevation										
MW-25S *	Shallow LPA	130.6	NM	-	11.84	118.76	11.75	118.85	NM	-	NM	-	NM	-
MW-28S *	Shallow LPA	150.5	NM	-	24.33	126.17	23.30	127.20	NM	-	NM	-	NM	-
MW-45	Shallow LPA	126.7	NM	-	NM	-	11.98	114.74	11.75	114.97	NM	-	14.55	112.17
MW-24D	Deep LPA	129.1	NM	-	NM	-	48.92	80.18	49.67	79.43	52.37	76.73	51.12	77.98
MW-25D-130	Deep LPA	130.5	59.53	70.97	58.75	71.75	54.96	75.54	56.23	74.27	60.79	69.71	59.94	70.56
MW-25D-192	Deep LPA	130.5	58.69	71.81	57.63	72.87	54.20	76.30	55.45	75.05	60.37	70.13	59.02	71.48
MW-28D	Deep LPA	150.5	90.98	59.52	88.30	62.20	84.78	65.72	86.96	63.54	94.24	56.26	91.37	59.13
MW-29D	Deep LPA	131.9	66.56	65.36	65.03	66.89	60.64	71.28	62.36	69.56	67.20	64.72	67.10	64.82
MW-30D-273	Deep LPA	153.5	100.70	52.84	98.14	55.40	93.10	60.44	95.74	57.80	104.75	48.79	101.12	52.42
MW-31D	Deep LPA	162.5	109.95	52.55	106.27	56.23	102.47	60.03	104.91	57.59	113.35	49.15	110.14	52.36
MW-32D	Deep LPA	156.1	100.65	55.49	98.97	57.17	93.79	62.35	97.02	59.12	99.43	56.71	101.56	54.58
MW-33D-235	Deep LPA	178.6	127.52	51.08	125.14	53.46	119.35	59.25	121.72	56.88	132.76	45.84	127.87	50.73
MW-33D-295	Deep LPA	178.3	127.34	50.96	125.69	52.61	119.10	59.20	NM	NA	131.14	47.16	127.65	50.65
MW-34D	Deep LPA	183.9	136.42	47.49	131.76	52.15	127.40	56.51	129.93	53.98	141.48	42.43	136.62	47.29
MW-35D	Deep LPA	177.8	128.19	49.61	123.64	54.16	119.18	58.62	121.65	56.15	127.51	50.29	129.89	47.91
MW-46D	Deep LPA	124.8	NM	-	NM	-	NM	-	35.47	89.30	38.40	86.37	37.90	86.87
MW-30D-413	Patuxent	153.1	143.75	9.38	140.62	12.51	130.73	22.40	137.25	15.88	145.27	7.86	143.64	9.49
MW-36D	Patuxent	158.7	146.32	12.39	143.85	14.86	134.83	23.88	141.30	17.41	147.65	11.06	146.75	11.96

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	2/12/2020		5/14/2020		11/23/2020		5/10/2021		11/15/2021	
			Depth to Water	Groundwater Elevation								
MW-25S *	Shallow LPA	130.6	NM	-	NM	-	NM	-	NM	-	-	0.00
MW-28S *	Shallow LPA	150.5	NM	-	NM	-	NM	-	NM	-	-	0.00
MW-45	Shallow LPA	126.7	NM	-	NM	-	NM	-	12.69	114.03	12.69	114.03
MW-24D	Deep LPA	129.1	50.10	79.00	48.80	80.30	53.02	76.08	50.01	79.09	49.40	79.70
MW-25D-130	Deep LPA	130.5	55.55	74.95	54.95	75.55	60.50	70.00	56.11	74.39	NM	-
MW-25D-192	Deep LPA	130.5	54.70	75.80	54.23	76.27	59.50	71.00	55.32	75.18	NM	-
MW-28D	Deep LPA	150.5	85.00	65.50	84.36	66.14	92.87	57.63	86.34	64.16	89.34	61.16
MW-29D	Deep LPA	131.9	61.28	70.64	60.61	71.31	67.75	64.17	62.15	69.77	64.82	67.10
MW-30D-273	Deep LPA	153.5	93.29	60.25	92.60	60.94	103.09	50.45	94.95	58.59	99.70	53.84
MW-31D	Deep LPA	162.5	102.73	59.77	NM	-	113.30	49.20	104.32	58.18	108.09	54.41
MW-32D	Deep LPA	156.1	92.35	63.79	94.31	61.83	103.76	52.38	95.58	60.56	99.72	56.42
MW-33D-235	Deep LPA	178.6	119.72	58.88	119.10	59.50	NM	-	121.30	57.30	125.35	53.25
MW-33D-295	Deep LPA	178.3	119.54	58.76	118.84	59.46	130.21	48.09	121.08	57.22	125.15	53.15
MW-34D	Deep LPA	183.9	127.75	56.16	127.01	56.90	139.08	44.83	129.41	54.50	133.82	50.09
MW-35D	Deep LPA	177.8	119.68	58.12	119.06	58.74	129.67	48.13	121.20	56.60	126.19	51.61
MW-46D	Deep LPA	124.8	36.13	88.64	35.73	89.04	37.72	87.05	35.95	88.82	35.95	88.82
MW-30D-413	Patuxent	153.1	128.12	25.01	127.25	25.88	142.22	10.91	134.60	18.53	140.69	12.44
MW-36D	Patuxent	158.7	132.11	26.60	131.08	27.63	145.25	13.46	137.95	20.76	143.70	15.01

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	6/27/2022		11/20/2022		5/22/2023		12/4/2023		5/19/2024	
			Depth to Water	Groundwater Elevation								
MW-25S *	Shallow LPA	130.6	-	-	-	-	NM	-	-	-	-	-
MW-28S *	Shallow LPA	150.5	-	-	-	-	NM	-	-	-	-	-
MW-45	Shallow LPA	126.7	12.91	113.81	13.54	113.18	NM	-	13.54	113.18	12.40	114.32
MW-24D	Deep LPA	129.1	51.06	78.0	53.11	76.0	49.42	79.68	53.83	75.3	52.60	76.5
MW-25D-130	Deep LPA	130.5	60.22	70.3	60.00	70.5	57.68	72.82	61.12	69.4	60.67	69.8
MW-25D-192	Deep LPA	130.5	59.12	71.4	59.10	71.4	56.72	73.78	60.15	70.4	59.60	70.9
MW-28D	Deep LPA	150.5	93.51	57.0	90.81	59.7	89.06	61.44	92.66	57.8	93.36	57.1
MW-29D	Deep LPA	131.9	68.45	63.5	66.70	65.2	65.15	66.77	68.34	63.6	68.31	63.6
MW-30D-273	Deep LPA	153.5	104.25	49.3	100.23	53.3	98.76	54.78	102.50	51.0	NM	-
MW-31D	Deep LPA	162.5	114.2	48.3	109.24	53.3	107.82	54.68	111.54	51.0	NM	-
MW-32D	Deep LPA	156.1	104.98	51.2	100.23	55.9	98.47	57.67	102.17	54.0	103.71	52.4
MW-33D-235	Deep LPA	178.6	132.13	46.5	126.56	52.0	125.61	52.99	129.16	49.4	(a)	-
MW-33D-295	Deep LPA	178.3	131.85	46.5	126.29	52.0	125.39	52.91	128.89	49.4	131.57	46.7
MW-34D	Deep LPA	183.9	141.12	42.8	134.82	49.1	134.32	49.59	137.72	46.2	140.72	43.2
MW-35D	Deep LPA	177.8	132.35	45.5	126.60	51.2	126.53	51.27	129.71	48.1	131.83	46.0
MW-46D	Deep LPA	124.8	37.13	87.64	38.38	86.4	36.26	88.51	38.88	85.9	37.66	87.1
MW-30D-413	Patuxent	153.1	145.4	7.7	141.52	11.6	137.89	15.2	141.29	11.8	139.79	13.3
MW-36D	Patuxent	158.7	148.06	10.7	145.05	13.7	141.29	17.4	144.57	14.1	NM	-

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 3

**Historical Groundwater Elevations (2015 through 2025)
Offsite Monitoring Wells
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Aquifer/Zone	TOC Elevation	6/12/2024		11/11/2024		11/26/2024		12/16/2024		6/15/2025 - 6/16/2025	
			Depth to Water	Groundwater Elevation	Depth to Water	Groundwater Elevation						
MW-25S *	Shallow LPA	130.6	-	-	-	-	-	-	-	-	-	-
MW-28S *	Shallow LPA	150.5	-	-	-	-	-	-	-	-	-	-
MW-45	Shallow LPA	126.7	NM	-	13.63	113.09	NM	-	NM	-	12.81	113.9
MW-24D	Deep LPA	129.1	NM	-	54.70	74.4	NM	-	NM	-	54.12	75.0
MW-25D-130	Deep LPA	130.5	NM	-	NM	-	63.31	67.2	NM	-	64.10	66.4
MW-25D-192	Deep LPA	130.5	NM	-	NM	-	62.23	68.3	61.86	68.6	63.07	67.4
MW-28D	Deep LPA	150.5	NM	-	96.83	53.7	NM	-	NM	-	97.23	53.3
MW-29D	Deep LPA	131.9	69.41	62.5	71.87	60.1	NM	-	NM	-	72.23	59.7
MW-30D-273	Deep LPA	153.5	105.30	48.2	108.07	45.5	NM	-	NM	-	108.49	45.1
MW-31D	Deep LPA	162.5	115.60	46.9	NM	-	117.69	44.8	NM	-	118.82	43.7
MW-32D	Deep LPA	156.1	NM	-	107.55	48.6	NM	-	NM	-	NM	-
MW-33D-235	Deep LPA	178.6	133.30	45.3	135.94	42.7	NM	-	NM	-	136.45	42.2
MW-33D-295	Deep LPA	178.3	132.96	45.3	135.65	42.7	NM	-	NM	-	136.19	42.1
MW-34D	Deep LPA	183.9	NM	-	145.07	38.8	NM	-	NM	-	145.61	38.3
MW-35D	Deep LPA	177.8	NM	-	136.37	41.4	NM	-	NM	-	137.23	40.6
MW-46D	Deep LPA	124.8	38.32	86.5	39.80	85.0	NM	-	NM	-	39.03	85.7
MW-30D-413	Patuxent	153.1	143.58	9.5	148.91	4.2	NM	-	NM	-	148.98	4.2
MW-36D	Patuxent	158.7	146.41	12.3	151.72	7.0	NM	-	NM	-	151.82	6.9

Notes:

LPA = Lower Patapsco Aquifer

NM = Not Measured

TOC = Top of Casing

* Well abandoned in August 2019

a/ The field measurement was deemed inaccurate due to an error with the water level indicator

Table 4

Offsite Monitoring Well Sample Results
Former Kop-Flex Facility Site
Hanover, Maryland
Second Quarter 2025

Parameters (a)	Groundwater Quality Standards (µg/L) (b)	Well ID: Sampling Date:	SHALLOW ZONE LOWER PATAPSCO AQUIFER		DEEP (CONFINED) ZONE LOWER PATAPSCO AQUIFER						
			MW-45 6/16/25	MW-24D 6/16/25	MW-25D-130 6/16/25	MW-200 (d) 6/16/25	MW-25D-190 6/16/25	MW-28D 6/16/25	MW-29D 6/16/25	MW-30D-273 6/16/25	MW-31D 6/16/25
Methyl t-Butyl Ether	20		1.0 U	10.0 U	1.0 U	1.0 U	1.2	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	2.8		1.0 U	82.3	7.9	8.4	5.6	1.0 U	1.0 U	2.0	1.0 U
1,2-Dichloroethane	5		1.0 U	10.0 U	1.0 U	1.1	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7		1.0 U	871	90.8	95.5	24.2	17.9	1.0 U	77.2	1.0 U
1,4-Dioxane	4.6 (c)		1.0 U	165	19.8	20.5	6.8	4.3	1.0 U	16.6	1.0 U
1,1,1-Trichloroethane	200		1.0 U	10.0 U	6.1	6.4	2.3	1.0 U	1.0 U	2.4	1.0 U
Total CVOCs & 1,4-Dioxane			--	<i>1,118</i>	<i>124.6</i>	<i>131.9</i>	38.9	22.2	--	98.2	--

a/ U = not detected above the method detection limit; CVOC = chlorinated volatile organic compound; ND = non-detect; NS = not sampled.

Bolded values indicate an exceedence of the Groundwater Quality Standards

All sample concentrations in micrograms per liter (µg/l)

b/ All cleanup standards, except for 1,4-dioxane, are equal to the Maryland Generic Numeric Cleanup Standards for Groundwater, Type I and II Aquifers, from the State of Maryland Interim Final Guidance (October 2018). Accessed May 27, 2020:

<https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/docum>

c/ Value represents the MDE risk-based action level.

d/ Field duplicate of sample from well MW-25D-130.

Table 4

Offsite Monitoring Well Sample Results
Former Kop-Flex Facility Site
Hanover, Maryland
Second Quarter 2025

Parameters (a)	Groundwater Quality Standards (µg/L) (b)	Well ID: Sampling Date:	DEEP (CONFINED) ZONE LOWER PATAPSCO AQUIFER					PATUXENT AQUIFER	
			MW-33D-235 6/16/25	MW-33D-295 6/16/25	MW-34D 6/16/25	MW-35D 6/15/25	MW-46D 6/15/25	MW-30D-413 6/16/25	MW-36D 6/16/25
Methyl t-Butyl Ether	20		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	2.8		1.0 U	1.0 U	1.0 U	1.0 U	1.7	1.0 U	1.0 U
1,2-Dichloroethane	5		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	7		1.0 U	10.3	1.0 U	1.0 U	10.7	1.0 U	1.0 U
1,4-Dioxane	4.6 (c)		1.0 U	3.4	1.0 U	1.0 U	16.8	1.0 U	1.0 U
1,1,1-Trichloroethane	200		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total CVOCs & 1,4-Dioxane			--	13.7	--	--	29.2	--	--

a/ U = not detected above the method detection limit; CVOC = chlorinated volatile organic compound; ND = non-detect; NS = not sampled.

Bolded values indicate an exceedence of the Groundwater Quality Standards

All sample concentrations in micrograms per liter (µg/l)

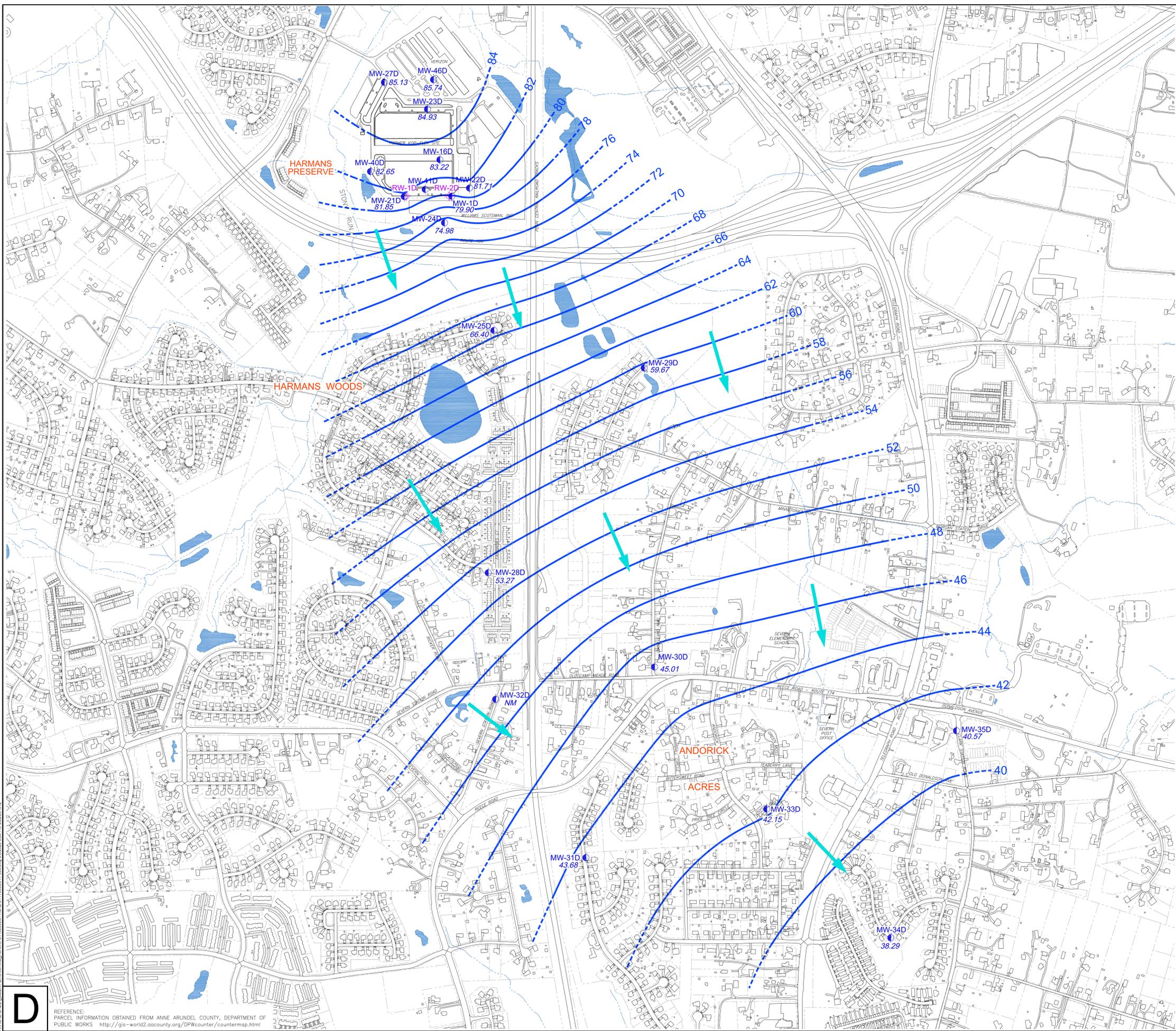
b/ All cleanup standards, except for 1,4-dioxane, are equal to the Maryland Generic Numeric Cleanup Standards for Groundwater, Type I and II Aquifers, from the State of Maryland Interim Final Guidance (October 2018). Accessed May 27, 2020:

<https://mde.maryland.gov/programs/LAND/MarylandBrownfieldVCP/Documents/www.mde.state.md.us/assets/document/MDE>

c/ Value represents the MDE risk-based action level.

d/ Field duplicate of sample from well MW-25D-130.

FIGURES



- LEGEND**
- PROPERTY LINE
 - STREAM
 - WATER BODY
 - MONITORING WELL
 - ◆ RECOVERY WELL
 - 53.67 GROUNDWATER SURFACE ELEVATION (FEET MSL)
 - NM NOT MEASURED
 - GROUNDWATER SURFACE CONTOUR (DASHED WHERE INFERRED)
 - INFERRED GROUNDWATER FLOW DIRECTION

NOTE:
 FIGURE DEPICTS THE POTENTIOMETRIC SURFACE IN THE DEEP (CONFINED) ZONE OF THE LOWER PATAPSCO AQUIFER UNDER NON-PUMPING CONDITIONS.

REVISIONS	
REV	DESCRIPTION

DRAWN BY	CHECKED	APPROVED	DATE
ECC	IT		8/15/2025

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POTENTIOMETRIC SURFACE CONTOUR MAP DEEP CONFINED ZONE OF THE LOWER PATAPSCO AQUIFER
JUNE 2025
FORMER KOP-FLEX FACILITY SITE
HANOVER, MARYLAND
 PREPARED FOR
EMERSUB 16 LLC
ST. LOUIS, MISSOURI



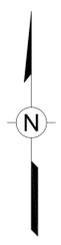
WSP USA Inc.
 13530 DULLES TECHNOLOGY DR, SUITE 300
 HERRIDON, VA 20171
 TEL: +1 703.709.6500

FIGURE 1
 Drawing Number
314V5608.011-060

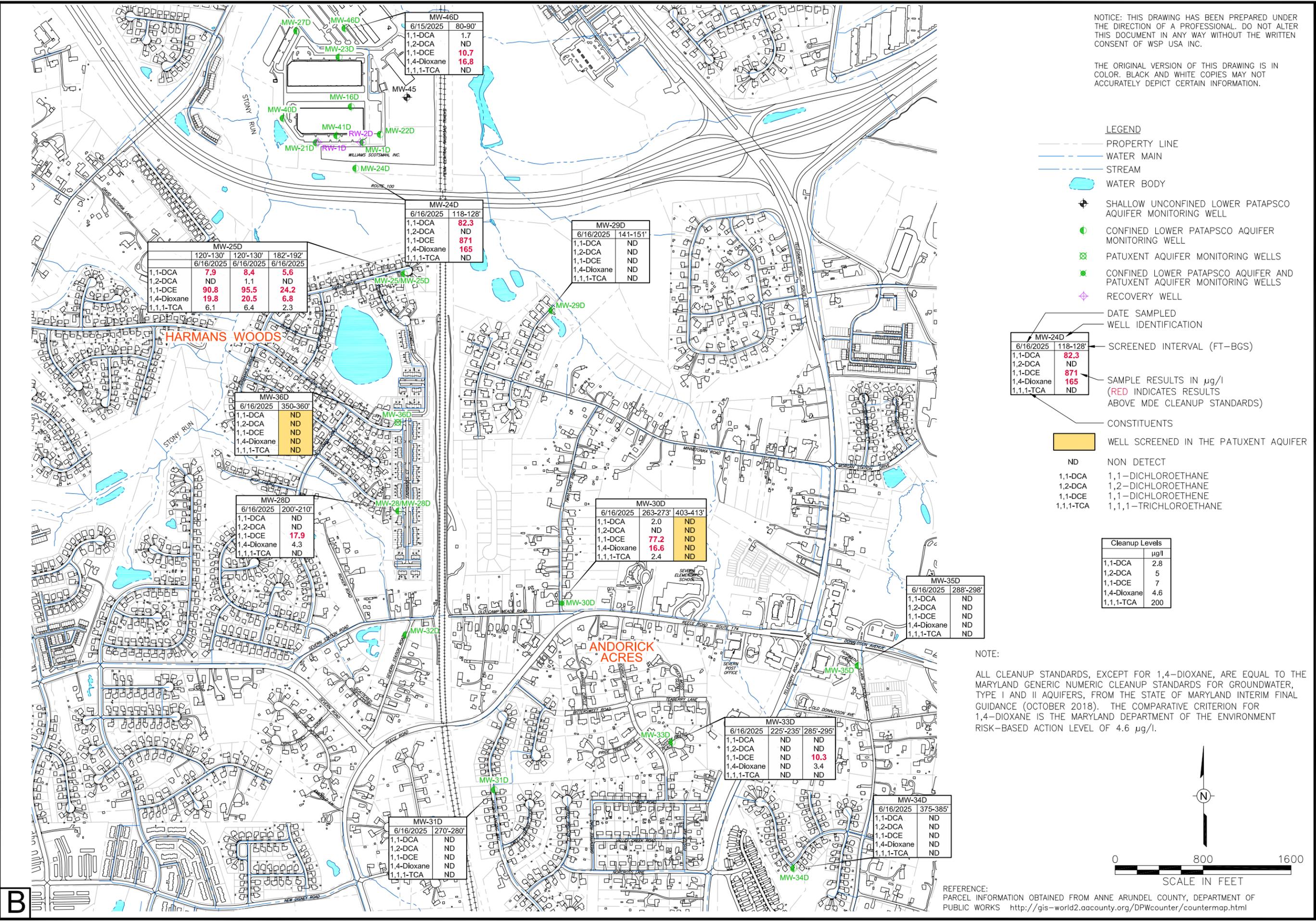
D

REFERENCE:
 PARCEL INFORMATION OBTAINED FROM ANNE ARUNDEL COUNTY, DEPARTMENT OF PUBLIC WORKS <http://gis-worl62.aacounty.org/DPWcounter/countermapp.html>

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R:\ACAD\CADD\CUIENTE\EmersonMD_Hanover\314V5608.011\CAD\314V5608.011-061.dwg 8/5/2025 6:53 PM USECO1012



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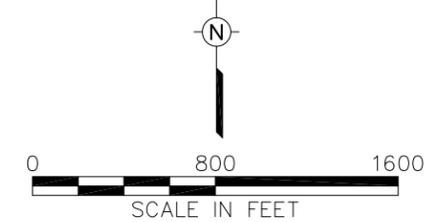
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Drawn By: EGC
 Checked: TT 8/5/2025
 Approved: RJA
 DWG Name: 314V5608.011-061

FORMER FOP-FLEX FACILITY
 HANOVER, MARYLAND
 PREPARED FOR
 EMERSUB 16 LLC
 ST. LOUIS, MISSOURI

FIGURE 2
 GROUNDWATER MONITORING RESULTS -
 DEEP LOWER PATAPSCO AQUIFER AND PATUXENT
 AQUIFER WELLS - JUNE 2025

WSP USA Inc.
 13530 DULLES TECHNOLOGY DR
 SUITE 300
 BERTON, VA 20171
 TEL: +1 703.709.6500



REFERENCE:
 PARCEL INFORMATION OBTAINED FROM ANNE ARUNDEL COUNTY, DEPARTMENT OF
 PUBLIC WORKS <http://gis-world2.aacounty.org/DPWcounter/countermap.html>

ENXLOSURE A - CERTIFIED LABORATORY ANALYTICAL REPORT FOR
OFFSTE MONITORING WELL SAMPLES (JUNE 2025)



Main Site: 301 Fulling Mill Road | Middletown, PA 17057 | Phone: 717-944-5541 | www.alsglobal.com
 Associated Site: 20 Riverside Drive | Spring City, PA 19475 | Phone: 610-948-4903 |

NELAP Certifications: NJ PA010 , NY 11759 , PA 22-293 DoD ELAP: PJLA 74618
 State Certifications: FL E871113 , WA C999 , MD 128 , VA 460157 , WV DW 9961-C , WV 343, NJ PA101

Analytical Results Report For

WSP USA Inc.

Project Former KOP-Flex Facility Offsi
 Workorder 3420851
 Report ID 433595 on 6/27/2025

Certificate of Analysis

Enclosed are the analytical results for samples received by the laboratory on Jun 16, 2025.

The ALS Environmental laboratory in Middletown, Pennsylvania is a National Environmental Laboratory Accreditation Program (NELAP) accredited laboratory and as such, certifies that all applicable test results meet the requirements of NELAP.

If you have any questions regarding this certificate of analysis, please contact Susan Scherer (Project Coordinator) at (717) 944-5541.

Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state requirements. The test results meet requirements of the current NELAP standards or state requirements, where applicable. For a specific list of accredited analytes, refer to the certifications section of the ALS website at www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads.

This laboratory report may not be reproduced, except in full, without the written approval of ALS Global.
 ALS Middletown: 301 Fulling Mill Road, Middletown, PA 17057 : 717-944-5541.

Recipient(s):
 Eric Johnson - WSP USA INC
 Erik Reinert - WSP USA Inc
 Jessica Mendez - WSP USA Inc.
 Stevie Henrick - WSP USA Inc.

Susan Scherer

Susan Scherer
 Project Coordinator

(ALS Digital Signature)

This page is included as part of the Analytical Report and must be retained as a permanent record thereof.



Sample Summary

<u>Lab ID</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>	<u>Collector</u>	<u>Collection Company</u>
3420851001	MW-29D	Ground Water	06/16/2025 11:40	06/16/2025 20:00	CBC	Collected By Client
3420851002	MW-28D	Ground Water	06/16/2025 13:45	06/16/2025 20:00	CBC	Collected By Client
3420851003	MW-36D	Ground Water	06/16/2025 14:00	06/16/2025 20:00	CBC	Collected By Client
3420851004	MW-25D-130	Ground Water	06/16/2025 14:30	06/16/2025 20:00	CBC	Collected By Client
3420851005	MW-25D-190	Ground Water	06/16/2025 14:45	06/16/2025 20:00	CBC	Collected By Client
3420851006	MW-200	Ground Water	06/16/2025 11:45	06/16/2025 20:00	CBC	Collected By Client
3420851007	Trip Blank 3	Ground Water	06/16/2025 11:45	06/16/2025 20:00	CBC	Collected By Client
3420851008	MW-24D	Ground Water	06/16/2025 08:15	06/16/2025 20:00	CBC	Collected By Client
3420851009	MW-45	Ground Water	06/16/2025 08:45	06/16/2025 20:00	CBC	Collected By Client
3420851010	MW-34D	Ground Water	06/16/2025 09:15	06/16/2025 20:00	CBC	Collected By Client
3420851011	MW-31D	Ground Water	06/16/2025 09:45	06/16/2025 20:00	CBC	Collected By Client
3420851012	MW-33D-295	Ground Water	06/16/2025 10:20	06/16/2025 20:00	CBC	Collected By Client
3420851013	MW-33D-235	Ground Water	06/16/2025 10:35	06/16/2025 20:00	CBC	Collected By Client
3420851014	MW-30D-413	Ground Water	06/16/2025 11:00	06/16/2025 20:00	CBC	Collected By Client
3420851015	MW-30D-273	Ground Water	06/16/2025 11:15	06/16/2025 20:00	CBC	Collected By Client
3420851016	Trip Blank 4	Ground Water	06/16/2025 00:00	06/16/2025 20:00	CBC	Collected By Client



Reference

Notes

- Samples collected by ALS personnel are done so in accordance with the procedures set forth in the ALS Field Sampling Plan (20 - Field Services Sampling Plan).
- Except as qualified, Clean Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 136, including but not limited to the following EPA Method reference revisions:
 EPA 300.1 Rev. 1.0-1997
 EPA 300.0 Rev. 2.1-1993
 EPA 353.2 Rev. 2.0-1993
 EPA 410.4 Rev. 1.0-1993
 EPA 420.4 Rev. 1.0-1993
 EPA 365.1 Rev. 2.0-1993
 EPA 200.7 Rev. 4.4-1994
 EPA 200.8 Rev. 5.4-1994
 EPA 245.1 Rev. 3.0-1994
- Except as qualified, Safe Drinking Water Act sample analyses are consistent with methodology requirements in 40 CFR Part 141.
- The Chain of Custody document is included as part of this report.
- All Library Search analytes should be regarded as tentative identifications based on the presumptive evidence of the mass spectra. Concentrations reported are estimated values.
- Parameters identified as "analyze immediately" require analysis within 15 minutes of collection. Any "analyze immediately" parameters not listed under the header "Field Parameters" are preformed in the laboratory and are therefore analyzed out of hold time.
- Method references listed on this report beginning with the prefix "S" followed by a method number (such as S2310B-97) refer to methods from "Standard Methods for the Examination of Water and Wastewater".
- For microbiological analyses, the "Prepared" value is the date/time into the incubator and the "Analyzed" value is the date/time out the incubator.
- An Analysis-Prep Method Cross Reference Table is included after Analytical Results & Qualifiers section in this report.
- Unless otherwise noted, all quantitative results for soils are reported on a dry weight basis.

Standard Acronyms/Flags

J	Indicates an estimated value between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL) for the analyte
U	Indicates that the analyte was Not Detected (ND) above the MDL
N	Indicates presumptive evidence of the presence of a compound
MDL	Method Detection Limit
PQL	Practical Quantitation Limit
RDL	Practical Quantitation Limit for this Project
ND	Not Detected - indicates that the analyte was Not Detected
Cntr	Analysis was performed using this container
RegLmt	Regulatory Limit
LCS	Laboratory Control Sample
MS	Matrix Spike
MSD	Matrix Spike Duplicate
DUP	Sample Duplicate
%Rec	Percent Recovery
RPD	Relative Percent Difference
LOD	DoD Limit of Detection
LOQ	DoD Limit of Quantitation
DL	DoD Detection Limit
I	Indicates reported value is greater than or equal to the Method Detection Limit (MDL) but less than the Report Detection Limit (RDL)
(S)	Surrogate Compound
NC	Not Calculated
*	Result outside of QC limits
#	Please reference the result in the Results Section for analyte-level flags.



Project Former KOP-Flex Facility Offsi
Workorder 3420851

Project Notations

Sample Notations

Lab ID **Sample ID**



Result Notations

Notation Ref.	
1	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Chlorobenzene. The % Recovery was reported as 123 and the control limits were 85 to 117.
2	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,2-Dichlorobenzene. The % Recovery was reported as 119 and the control limits were 82 to 118.
3	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,3-Dichlorobenzene. The % Recovery was reported as 121 and the control limits were 81 to 118.
4	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,3-Dichlorobenzene. The % Recovery was reported as 119 and the control limits were 81 to 118.
5	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,4-Dichlorobenzene. The % Recovery was reported as 117 and the control limits were 81 to 116.
6	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte 1,4-Dichlorobenzene. The % Recovery was reported as 117 and the control limits were 81 to 116.
7	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte 1,1-Dichloroethane. The % Recovery was reported as 128 and the control limits were 78 to 124.
8	The QC sample type MSD for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 123 and the control limits were 71 to 122.
9	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte trans-1,2-Dichloroethene. The % Recovery was reported as 125 and the control limits were 71 to 122.
10	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte p-Isopropyltoluene. The % Recovery was reported as 125 and the control limits were 72 to 123.
11	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte Total Xylenes. The % Recovery was reported as 127 and the control limits were 79 to 125.
12	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte o-Xylene. The % Recovery was reported as 126 and the control limits were 79 to 124.
13	The QC sample type MS for method SW846 8260D was outside the control limits for the analyte mp-Xylene. The % Recovery was reported as 128 and the control limits were 79 to 125.
14	The QC sample type MS for method SW846 8270E SIM was outside the control limits for the analyte 1,4-Dioxane. The % Recovery was reported as 232 and the control limits were 22 to 75.
15	The QC sample type MSD for method SW846 8270E SIM was outside the control limits for the analyte 1,4-Dioxane. The % Recovery was reported as 182 and the control limits were 22 to 75.
16	The QC sample type LCS for method SW846 8260D was outside the control limits for the analyte Hexachlorobutadiene. The % Recovery was reported as 129 and the control limits were 55 to 128.
17	The surrogate 4-Bromofluorobenzene for method SW846 8260D was outside of control limits. The % Recovery was reported as 115 and the control limits were 79 to 114. This result was reported at a dilution of 1.



Detected Results Summary

Client Sample ID	MW-28D	Collected	06/16/2025 13:45
Lab Sample ID	3420851002	Lab Receipt	06/16/2025 20:00

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Flag</u>
SEMIVOLATILE SIM					
1,4-Dioxane	4.3	ug/L	1.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1-Dichloroethene	17.9	ug/L	1.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-25D-130	Collected	06/16/2025 14:30
Lab Sample ID	3420851004	Lab Receipt	06/16/2025 20:00

Compound	Result	Units	RDL	Method	Flag
SEMIVOLATILE SIM					
1,4-Dioxane	19.8	ug/L	5.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1,1-Trichloroethane	6.1	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethane	7.9	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethene	90.8	ug/L	1.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-25D-190	Collected	06/16/2025 14:45
Lab Sample ID	3420851005	Lab Receipt	06/16/2025 20:00

Compound	Result	Units	RDL	Method	Flag
SEMIVOLATILE SIM					
1,4-Dioxane	6.8	ug/L	1.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1,1-Trichloroethane	2.3	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethane	5.6	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethene	24.2	ug/L	1.0	SW846 8260D	#
Methyl t-Butyl Ether	1.2	ug/L	1.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-200	Collected	06/16/2025 11:45
Lab Sample ID	3420851006	Lab Receipt	06/16/2025 20:00

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Flag</u>
SEMIVOLATILE SIM					
1,4-Dioxane	20.5	ug/L	5.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1,1-Trichloroethane	6.4	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethane	8.4	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethene	95.5	ug/L	1.0	SW846 8260D	#
1,2-Dichloroethane	1.1	ug/L	1.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-24D	Collected	06/16/2025 08:15
Lab Sample ID	3420851008	Lab Receipt	06/16/2025 20:00

Compound	Result	Units	RDL	Method	Flag
SEMIVOLATILE SIM					
1,4-Dioxane	165	ug/L	20.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1-Dichloroethane	82.3	ug/L	10.0	SW846 8260D	#
1,1-Dichloroethene	871	ug/L	10.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-33D-295	Collected	06/16/2025 10:20
Lab Sample ID	3420851012	Lab Receipt	06/16/2025 20:00

<u>Compound</u>	<u>Result</u>	<u>Units</u>	<u>RDL</u>	<u>Method</u>	<u>Flag</u>
SEMIVOLATILE SIM					
1,4-Dioxane	3.4	ug/L	1.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1-Dichloroethene	10.3	ug/L	1.0	SW846 8260D	#



Detected Results Summary

Client Sample ID	MW-30D-273	Collected	06/16/2025 11:15
Lab Sample ID	3420851015	Lab Receipt	06/16/2025 20:00

Compound	Result	Units	RDL	Method	Flag
SEMIVOLATILE SIM					
1,4-Dioxane	16.6	ug/L	4.0	SW846 8270E SIM	#
VOLATILE ORGANICS					
1,1,1-Trichloroethane	2.4	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethane	2.0	ug/L	1.0	SW846 8260D	#
1,1-Dichloroethene	77.2	ug/L	1.0	SW846 8260D	#



Results

Client Sample ID	MW-29D	Collected	06/16/2025 11:40
Lab Sample ID	3420851001	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 07:46	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	64.4%	29 - 112	06/25/2025 07:46	
Fluoranthene-d10	93951-69-0	66.9%	45 - 130	06/25/2025 07:46	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A



Results

Client Sample ID	MW-29D	Collected	06/16/2025 11:40
Lab Sample ID	3420851001	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:22	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:22	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98%	62 - 133	06/25/2025 15:22	
4-Bromofluorobenzene	460-00-4	101%	79 - 114	06/25/2025 15:22	
Dibromofluoromethane	1868-53-7	101%	78 - 116	06/25/2025 15:22	
Toluene-d8	2037-26-5	101%	76 - 127	06/25/2025 15:22	



Results

Client Sample ID	MW-28D	Collected	06/16/2025 13:45
Lab Sample ID	3420851002	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	4.3		ug/L	1.0	SW846 8270E SIM	1	06/25/2025 08:14	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	60.9%	29 - 112	06/25/2025 08:14	
Fluoranthene-d10	93951-69-0	67%	45 - 130	06/25/2025 08:14	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1-Dichloroethene	17.9		ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A



Results

Client Sample ID	MW-28D	Collected	06/16/2025 13:45
Lab Sample ID	3420851002	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 15:45	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 15:45	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.6%	62 - 133	06/25/2025 15:45	
4-Bromofluorobenzene	460-00-4	103%	79 - 114	06/25/2025 15:45	
Dibromofluoromethane	1868-53-7	101%	78 - 116	06/25/2025 15:45	
Toluene-d8	2037-26-5	103%	76 - 127	06/25/2025 15:45	



Results

Client Sample ID	MW-36D	Collected	06/16/2025 14:00
Lab Sample ID	3420851003	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 08:43	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	69.7%	29 - 112	06/25/2025 08:43	
Fluoranthene-d10	93951-69-0	77.1%	45 - 130	06/25/2025 08:43	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A



Results

Client Sample ID	MW-36D	Collected	06/16/2025 14:00
Lab Sample ID	3420851003	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:07	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:07	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98%	62 - 133	06/25/2025 16:07	
4-Bromofluorobenzene	460-00-4	100%	79 - 114	06/25/2025 16:07	
Dibromofluoromethane	1868-53-7	98.8%	78 - 116	06/25/2025 16:07	
Toluene-d8	2037-26-5	101%	76 - 127	06/25/2025 16:07	



Results

Client Sample ID	MW-25D-130	Collected	06/16/2025 14:30
Lab Sample ID	3420851004	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	19.8		ug/L	5.0	SW846 8270E SIM	5	06/26/2025 09:21	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	51.4%	29 - 112	06/25/2025 09:12	
2-Methylnaphthalene-d10	7297-45-2	50.4%	29 - 112	06/26/2025 09:21	
Fluoranthene-d10	93951-69-0	67.8%	45 - 130	06/25/2025 09:12	
Fluoranthene-d10	93951-69-0	70.8%	45 - 130	06/26/2025 09:21	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1,1-Trichloroethane	6.1		ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1-Dichloroethane	7.9		ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1-Dichloroethene	90.8		ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A



Results

Client Sample ID	MW-25D-130	Collected	06/16/2025 14:30
Lab Sample ID	3420851004	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:30	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:30	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.6%	62 - 133	06/25/2025 16:30	
4-Bromofluorobenzene	460-00-4	98.7%	79 - 114	06/25/2025 16:30	
Dibromofluoromethane	1868-53-7	99.5%	78 - 116	06/25/2025 16:30	
Toluene-d8	2037-26-5	99.5%	76 - 127	06/25/2025 16:30	



Results

Client Sample ID	MW-25D-190	Collected	06/16/2025 14:45
Lab Sample ID	3420851005	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	6.8	14,15	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 09:41	S7M	J

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	60.8%	29 - 112	06/25/2025 09:41	
Fluoranthene-d10	93951-69-0	76.1%	45 - 130	06/25/2025 09:41	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1,1-Trichloroethane	2.3		ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1-Dichloroethane	5.6	7	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1-Dichloroethene	24.2		ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2-Dichlorobenzene	1.0 U	U,2	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,3-Dichlorobenzene	1.0 U	U,3,4	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
1,4-Dichlorobenzene	1.0 U	U,5,6	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Chlorobenzene	1.0 U	U,1	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A



Results

Client Sample ID	MW-25D-190	Collected	06/16/2025 14:45
Lab Sample ID	3420851005	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Methyl t-Butyl Ether	1.2		ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
mp-Xylene	2.0 U	U,13	ug/L	2.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
o-Xylene	1.0 U	U,12	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
p-Isopropyltoluene	1.0 U	U,10	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Total Xylenes	3.0 U	U,11	ug/L	3.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
trans-1,2-Dichloroethene	1.0 U	U,8,9	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 16:53	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 16:53	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.5%	62 - 133	06/25/2025 16:53	
4-Bromofluorobenzene	460-00-4	99.6%	79 - 114	06/25/2025 16:53	
Dibromofluoromethane	1868-53-7	98.5%	78 - 116	06/25/2025 16:53	
Toluene-d8	2037-26-5	102%	76 - 127	06/25/2025 16:53	



Results

Client Sample ID	MW-200	Collected	06/16/2025 11:45
Lab Sample ID	3420851006	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	20.5		ug/L	5.0	SW846 8270E SIM	5	06/26/2025 09:50	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	62.1%	29 – 112	06/25/2025 11:10	
2-Methylnaphthalene-d10	7297-45-2	60.5%	29 – 112	06/26/2025 09:50	
Fluoranthene-d10	93951-69-0	86.4%	45 – 130	06/25/2025 11:10	
Fluoranthene-d10	93951-69-0	84%	45 – 130	06/26/2025 09:50	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1,1-Trichloroethane	6.4		ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1-Dichloroethane	8.4		ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1-Dichloroethene	95.5		ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2-Dichloroethane	1.1		ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A



Results

Client Sample ID	MW-200	Collected	06/16/2025 11:45
Lab Sample ID	3420851006	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 17:16	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 17:16	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.1%	62 - 133	06/25/2025 17:16	
4-Bromofluorobenzene	460-00-4	101%	79 - 114	06/25/2025 17:16	
Dibromofluoromethane	1868-53-7	101%	78 - 116	06/25/2025 17:16	
Toluene-d8	2037-26-5	102%	76 - 127	06/25/2025 17:16	



Results

Client Sample ID	Trip Blank 3	Collected	06/16/2025 11:45
Lab Sample ID	3420851007	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Hexachlorobutadiene	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A



Results

Client Sample ID	Trip Blank 3	Collected	06/16/2025 11:45
Lab Sample ID	3420851007	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/25/2025 13:05	IXK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/25/2025 13:05	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	96.8%	62 – 133	06/25/2025 13:05	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	06/25/2025 13:05	
Dibromofluoromethane	1868-53-7	99.4%	78 – 116	06/25/2025 13:05	
Toluene-d8	2037-26-5	101%	76 – 127	06/25/2025 13:05	



Results

Client Sample ID	MW-24D	Collected	06/16/2025 08:15
Lab Sample ID	3420851008	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	165		ug/L	20.0	SW846 8270E SIM	20	06/26/2025 10:19	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	68.8%	29 - 112	06/25/2025 11:40	
2-Methylnaphthalene-d10	7297-45-2	68.9%	29 - 112	06/26/2025 10:19	
Fluoranthene-d10	93951-69-0	86.8%	45 - 130	06/25/2025 11:40	
Fluoranthene-d10	93951-69-0	86.3%	45 - 130	06/26/2025 10:19	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1,1-Trichloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1,2,2-Tetrachloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1,2-Trichloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1-Dichloroethane	82.3		ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1-Dichloroethene	871		ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,1-Dichloropropene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2,3-Trichlorobenzene	20.0 U	U	ug/L	20.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2,3-Trichloropropane	20.0 U	U	ug/L	20.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2,4-Trichlorobenzene	20.0 U	U	ug/L	20.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2-Dibromo-3-chloropropane	70.0 U	U	ug/L	70.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2-Dibromoethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2-Dichlorobenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2-Dichloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,2-Dichloropropane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,3-Dichlorobenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,3-Dichloropropane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
1,4-Dichlorobenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
2,2-Dichloropropane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
2-Butanone	100 U	U	ug/L	100	SW846 8260D	10	06/25/2025 18:24	IXK	A
2-Hexanone	50.0 U	U	ug/L	50.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
4-Methyl-2-Pentanone(MIBK)	50.0 U	U	ug/L	50.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Acetone	100 U	U	ug/L	100	SW846 8260D	10	06/25/2025 18:24	IXK	A
Benzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Bromobenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Bromochloromethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Bromodichloromethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Bromoform	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Bromomethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Carbon Tetrachloride	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Chlorobenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Chlorodibromomethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Chloroethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A



Results

Client Sample ID	MW-24D	Collected	06/16/2025 08:15
Lab Sample ID	3420851008	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Chloromethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
cis-1,2-Dichloroethene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
cis-1,3-Dichloropropene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Dibromomethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Dichlorodifluoromethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Diisopropyl ether	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Ethylbenzene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Hexachlorobutadiene	50.0 U	U	ug/L	50.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Methyl t-Butyl Ether	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Methylene Chloride	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
mp-Xylene	20.0 U	U	ug/L	20.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Naphthalene	20.0 U	U	ug/L	20.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
o-Chlorotoluene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
o-Xylene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
p-Chlorotoluene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
p-Isopropyltoluene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Styrene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Tetrachloroethene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Toluene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Total Xylenes	30.0 U	U	ug/L	30.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
trans-1,2-Dichloroethene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
trans-1,3-Dichloropropene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Trichloroethene	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Trichlorofluoromethane	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Vinyl Acetate	50.0 U	U	ug/L	50.0	SW846 8260D	10	06/25/2025 18:24	IXK	A
Vinyl Chloride	10.0 U	U	ug/L	10.0	SW846 8260D	10	06/25/2025 18:24	IXK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.3%	62 - 133	06/25/2025 18:24	
4-Bromofluorobenzene	460-00-4	103%	79 - 114	06/25/2025 18:24	
Dibromofluoromethane	1868-53-7	102%	78 - 116	06/25/2025 18:24	
Toluene-d8	2037-26-5	103%	76 - 127	06/25/2025 18:24	



Results

Client Sample ID	MW-45	Collected	06/16/2025 08:45
Lab Sample ID	3420851009	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 12:11	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	70%	29 - 112	06/25/2025 12:11	
Fluoranthene-d10	93951-69-0	76.7%	45 - 130	06/25/2025 12:11	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A



Results

Client Sample ID	MW-45	Collected	06/16/2025 08:45
Lab Sample ID	3420851009	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 02:42	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 02:42	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.9%	62 - 133	06/26/2025 02:42	
4-Bromofluorobenzene	460-00-4	115*	79 - 114	06/26/2025 02:42	17
Dibromofluoromethane	1868-53-7	95.4%	78 - 116	06/26/2025 02:42	
Toluene-d8	2037-26-5	105%	76 - 127	06/26/2025 02:42	



Results

Client Sample ID	MW-34D	Collected	06/16/2025 09:15
Lab Sample ID	3420851010	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 12:41	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	69.3%	29 - 112	06/25/2025 12:41	
Fluoranthene-d10	93951-69-0	83.9%	45 - 130	06/25/2025 12:41	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A



Results

Client Sample ID	MW-34D	Collected	06/16/2025 09:15
Lab Sample ID	3420851010	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:02	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:02	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	99.4%	62 - 133	06/26/2025 03:02	
4-Bromofluorobenzene	460-00-4	95.5%	79 - 114	06/26/2025 03:02	
Dibromofluoromethane	1868-53-7	95%	78 - 116	06/26/2025 03:02	
Toluene-d8	2037-26-5	101%	76 - 127	06/26/2025 03:02	



Results

Client Sample ID	MW-31D	Collected	06/16/2025 09:45
Lab Sample ID	3420851011	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 19:21	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	82.7%	29 - 112	06/25/2025 19:21	
Fluoranthene-d10	93951-69-0	94.1%	45 - 130	06/25/2025 19:21	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A



Results

Client Sample ID	MW-31D	Collected	06/16/2025 09:45
Lab Sample ID	3420851011	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:22	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:22	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.6%	62 - 133	06/26/2025 03:22	
4-Bromofluorobenzene	460-00-4	103%	79 - 114	06/26/2025 03:22	
Dibromofluoromethane	1868-53-7	93.5%	78 - 116	06/26/2025 03:22	
Toluene-d8	2037-26-5	102%	76 - 127	06/26/2025 03:22	



Results

Client Sample ID	MW-33D-295	Collected	06/16/2025 10:20
Lab Sample ID	3420851012	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	3.4		ug/L	1.0	SW846 8270E SIM	1	06/25/2025 19:50	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	62.3%	29 - 112	06/25/2025 19:50	
Fluoranthene-d10	93951-69-0	84.4%	45 - 130	06/25/2025 19:50	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1-Dichloroethene	10.3		ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A



Results

Client Sample ID	MW-33D-295	Collected	06/16/2025 10:20
Lab Sample ID	3420851012	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 03:42	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 03:42	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	62 - 133	06/26/2025 03:42	
4-Bromofluorobenzene	460-00-4	107%	79 - 114	06/26/2025 03:42	
Dibromofluoromethane	1868-53-7	97%	78 - 116	06/26/2025 03:42	
Toluene-d8	2037-26-5	104%	76 - 127	06/26/2025 03:42	



Results

Client Sample ID	MW-33D-235	Collected	06/16/2025 10:35
Lab Sample ID	3420851013	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 20:19	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	54.5%	29 - 112	06/25/2025 20:19	
Fluoranthene-d10	93951-69-0	76.1%	45 - 130	06/25/2025 20:19	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A



Results

Client Sample ID	MW-33D-235	Collected	06/16/2025 10:35
Lab Sample ID	3420851013	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:02	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:02	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	98.6%	62 - 133	06/26/2025 04:02	
4-Bromofluorobenzene	460-00-4	99.5%	79 - 114	06/26/2025 04:02	
Dibromofluoromethane	1868-53-7	93.7%	78 - 116	06/26/2025 04:02	
Toluene-d8	2037-26-5	101%	76 - 127	06/26/2025 04:02	



Results

Client Sample ID	MW-30D-413	Collected	06/16/2025 11:00
Lab Sample ID	3420851014	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	1.0 U	U	ug/L	1.0	SW846 8270E SIM	1	06/25/2025 20:48	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnapthalene-d10	7297-45-2	69.4%	29 - 112	06/25/2025 20:48	
Fluoranthene-d10	93951-69-0	76.7%	45 - 130	06/25/2025 20:48	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A



Results

Client Sample ID	MW-30D-413	Collected	06/16/2025 11:00
Lab Sample ID	3420851014	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:22	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:22	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.5%	62 - 133	06/26/2025 04:22	
4-Bromofluorobenzene	460-00-4	97.5%	79 - 114	06/26/2025 04:22	
Dibromofluoromethane	1868-53-7	92.3%	78 - 116	06/26/2025 04:22	
Toluene-d8	2037-26-5	99.1%	76 - 127	06/26/2025 04:22	



Results

Client Sample ID	MW-30D-273	Collected	06/16/2025 11:15
Lab Sample ID	3420851015	Lab Receipt	06/16/2025 20:00

SEMIVOLATILE SIM

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,4-Dioxane	16.6		ug/L	4.0	SW846 8270E SIM	4	06/26/2025 11:48	S7M	D

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
2-Methylnaphthalene-d10	7297-45-2	57.9%	29 - 112	06/25/2025 21:17	
2-Methylnaphthalene-d10	7297-45-2	53.4%	29 - 112	06/26/2025 11:48	
Fluoranthene-d10	93951-69-0	64.8%	45 - 130	06/25/2025 21:17	
Fluoranthene-d10	93951-69-0	60.4%	45 - 130	06/26/2025 11:48	

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1,1-Trichloroethane	2.4		ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1-Dichloroethane	2.0		ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1-Dichloroethene	77.2		ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A



Results

Client Sample ID MW-30D-273 Collected 06/16/2025 11:15
 Lab Sample ID 3420851015 Lab Receipt 06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 04:42	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 04:42	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	102%	62 - 133	06/26/2025 04:42	
4-Bromofluorobenzene	460-00-4	111%	79 - 114	06/26/2025 04:42	
Dibromofluoromethane	1868-53-7	98.5%	78 - 116	06/26/2025 04:42	
Toluene-d8	2037-26-5	105%	76 - 127	06/26/2025 04:42	



Results

Client Sample ID	Trip Blank 4	Collected	06/16/2025 00:00
Lab Sample ID	3420851016	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
1,1,1,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1,1-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1,2,2-Tetrachloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1,2-Trichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,1-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2,3-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2,3-Trichloropropane	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2,4-Trichlorobenzene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2-Dibromo-3-chloropropane	7.0 U	U	ug/L	7.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2-Dibromoethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2-Dichloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,3-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,3-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
1,4-Dichlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
2,2-Dichloropropane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
2-Butanone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
2-Hexanone	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
4-Methyl-2-Pentanone(MIBK)	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Acetone	10.0 U	U	ug/L	10.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Benzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Bromobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Bromochloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Bromodichloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Bromoform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Bromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Carbon Tetrachloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Chlorobenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Chlorodibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Chloroethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Chloroform	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Chloromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
cis-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
cis-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Dibromomethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Dichlorodifluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Diisopropyl ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Ethylbenzene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Hexachlorobutadiene	5.0 U	U,16	ug/L	5.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Methyl t-Butyl Ether	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Methylene Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
mp-Xylene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Naphthalene	2.0 U	U	ug/L	2.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
o-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A



Results

Client Sample ID	Trip Blank 4	Collected	06/16/2025 00:00
Lab Sample ID	3420851016	Lab Receipt	06/16/2025 20:00

VOLATILE ORGANICS (cont.)

Compound	Result	Flag	Units	RDL	Method	Dilution	Analysis Date/Time	By	Cntr
o-Xylene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
p-Chlorotoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
p-Isopropyltoluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Styrene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Tetrachloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Toluene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Total Xylenes	3.0 U	U	ug/L	3.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
trans-1,2-Dichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
trans-1,3-Dichloropropene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Trichloroethene	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Trichlorofluoromethane	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Vinyl Acetate	5.0 U	U	ug/L	5.0	SW846 8260D	1	06/26/2025 00:43	PDK	A
Vinyl Chloride	1.0 U	U	ug/L	1.0	SW846 8260D	1	06/26/2025 00:43	PDK	A

SURROGATES

Compound	CAS No	Recovery	Limits(%)	Analysis Date/Time	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	97.6%	62 – 133	06/26/2025 00:43	
4-Bromofluorobenzene	460-00-4	100%	79 – 114	06/26/2025 00:43	
Dibromofluoromethane	1868-53-7	94.8%	78 – 116	06/26/2025 00:43	
Toluene-d8	2037-26-5	102%	76 – 127	06/26/2025 00:43	



Sample - Method Cross Reference Table

Lab ID	Sample ID	Analysis Method	Preparation Method	Leachate Method
3420851001	MW-29D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851002	MW-28D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851003	MW-36D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851004	MW-25D-130	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851005	MW-25D-190	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851006	MW-200	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851007	Trip Blank 3	SW846 8260D	N/A	
3420851008	MW-24D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851009	MW-45	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851010	MW-34D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851011	MW-31D	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851012	MW-33D-295	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851013	MW-33D-235	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851014	MW-30D-413	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851015	MW-30D-273	SW846 8270E SIM SW846 8260D	SW846 3510C N/A	
3420851016	Trip Blank 4	SW846 8260D	N/A	



QUALITY CONTROL SAMPLES

SEMIVOLATILE SIM

QC Batch			
QC Batch	1445453	Prep Method	SW846 3510C
Date	06/23/2025 08:05	Analysis Method	SW846 8270E SIM
Tech.	EJH		

Associated Samples			
3420851001	3420851002	3420851003	3420851004
3420851005	3420851006	3420851008	3420851009
3420851010	3420851011	3420851012	3420851013
3420851014	3420851015		

Method Blank 4002378 (MB) Created on 06/20/2025 16:52 For QC Batch 1445453

RESULTS

Compound	CAS No	Result	Units	RDL	Qualifiers
1,4-Dioxane	123-91-1	BLK	1.0 U ug/L	1.0	U

SURROGATES

Compound	CAS No	Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
2-Methylnapthalene-d10	7297-45-2	BLK 0.52	1	52.1	29 - 112	
Fluoranthene-d10	93951-69-0	BLK 0.72	1	72.3	45 - 130	

Lab Control Standard 4002379 (LCS) Created on 06/20/2025 16:52 For QC Batch 1445453

RESULTS

Compound	CAS No	Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,4-Dioxane	123-91-1	LCS 0.49		1	48.9	22 - 75		U

SURROGATES

Compound	CAS No	Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
2-Methylnapthalene-d10	7297-45-2	LCS 0.58	1	58.3	29 - 112	
Fluoranthene-d10	93951-69-0	LCS 0.68	1	68.4	45 - 130	

Matrix Spike 4002380 (MS) 3420851005 For QC Batch 1445453

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 4002381 (MSD) 3420851005 For QC Batch 1445453

RESULTS

Compound	CAS No	Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,4-Dioxane	123-91-1	MS 9.1	6.80	1	NC	22 - 75		
1,4-Dioxane	123-91-1	MSD 8.6	6.80	1	NC	22 - 75	RPD 5.56 (Max-30)	



QUALITY CONTROL SAMPLES

SEMIVOLATILE SIM (cont.)

SURROGATES

<u>Compound</u>	<u>CAS No</u>		<u>Result</u> (ug/L)	<u>Expected</u> (ug/L)	<u>Rec.</u> (%)	<u>Limits (%)</u>	<u>Qualifiers</u>
2-Methylnaphthalene-d10	7297-45-2	MS	0.75	1	74.7	29 - 112	
2-Methylnaphthalene-d10	7297-45-2	MSD	0.72	1	71.8	29 - 112	
Fluoranthene-d10	93951-69-0	MS	0.94	1	94.3	45 - 130	
Fluoranthene-d10	93951-69-0	MSD	0.75	1	74.8	45 - 130	



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS

QC Batch			
QC Batch	1448163	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples			
3420851001	3420851002	3420851003	3420851004
3420851005	3420851006	3420851007	3420851008

Method Blank 4004155 (MB) Created on 06/25/2025 13:19 For QC Batch 1448163

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	1.0	U ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	1.0	U ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	1.0	U ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	1.0	U ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	1.0	U ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	1.0	U ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	1.0	U ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	2.0	U ug/L	2.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.0	U ug/L	2.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	2.0	U ug/L	2.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	7.0	U ug/L	7.0	U
1,2-Dibromoethane	106-93-4	BLK	1.0	U ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	1.0	U ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	1.0	U ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	1.0	U ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	1.0	U ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	1.0	U ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	1.0	U ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	1.0	U ug/L	1.0	U
2-Butanone	78-93-3	BLK	10.0	U ug/L	10.0	U
2-Hexanone	591-78-6	BLK	5.0	U ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	5.0	U ug/L	5.0	U
Acetone	67-64-1	BLK	10.0	U ug/L	10.0	U
Benzene	71-43-2	BLK	1.0	U ug/L	1.0	U
Bromobenzene	108-86-1	BLK	1.0	U ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	1.0	U ug/L	1.0	U
Bromodichloromethane	75-27-4	BLK	1.0	U ug/L	1.0	U
Bromoform	75-25-2	BLK	1.0	U ug/L	1.0	U
Bromomethane	74-83-9	BLK	1.0	U ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	1.0	U ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	1.0	U ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	1.0	U ug/L	1.0	U
Chloroethane	75-00-3	BLK	1.0	U ug/L	1.0	U
Chloroform	67-66-3	BLK	1.0	U ug/L	1.0	U
Chloromethane	74-87-3	BLK	1.0	U ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	1.0	U ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	1.0	U ug/L	1.0	U
Dibromomethane	74-95-3	BLK	1.0	U ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	1.0	U ug/L	1.0	U



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Diisopropyl ether	108-20-3	BLK	1.0 U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	1.0 U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	5.0 U	ug/L	5.0	U
Methyl t-Butyl Ether	1634-04-4	BLK	1.0 U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	1.0 U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	2.0 U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	2.0 U	ug/L	2.0	U
o-Chlorotoluene	95-49-8	BLK	1.0 U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	1.0 U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	1.0 U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	1.0 U	ug/L	1.0	U
Styrene	100-42-5	BLK	1.0 U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	1.0 U	ug/L	1.0	U
Toluene	108-88-3	BLK	1.0 U	ug/L	1.0	U
Total Xylenes	1330-20-7	BLK	3.0 U	ug/L	3.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	1.0 U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	1.0 U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	1.0 U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	1.0 U	ug/L	1.0	U
Vinyl Acetate	108-05-4	BLK	5.0 U	ug/L	5.0	U
Vinyl Chloride	75-01-4	BLK	1.0 U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	30.8	30	103	62 - 133	
4-Bromofluorobenzene	460-00-4	BLK	31.4	30	105	79 - 114	
Dibromofluoromethane	1868-53-7	BLK	31.6	30	105	78 - 116	
Toluene-d8	2037-26-5	BLK	32.9	30	110	76 - 127	

Lab Control Standard

4004156 (LCS)

Created on 06/25/2025 13:19

For QC Batch 1448163

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	19.9		20	99.6	78 - 121		
1,1,1-Trichloroethane	71-55-6	LCS	19.7		20	98.7	66 - 130		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	20.1		20	101	74 - 135		
1,1,2-Trichloroethane	79-00-5	LCS	20.3		20	102	82 - 126		
1,1-Dichloroethane	75-34-3	LCS	21.1		20	105	78 - 124		
1,1-Dichloroethene	75-35-4	LCS	22.1		20	111	63 - 128		
1,1-Dichloropropene	563-58-6	LCS	19.5		20	97.4	76 - 126		
1,2,3-Trichlorobenzene	87-61-6	LCS	19.5		20	97.6	61 - 126		
1,2,3-Trichloropropane	96-18-4	LCS	19.1		20	95.6	75 - 132		
1,2,4-Trichlorobenzene	120-82-1	LCS	20.9		20	105	67 - 123		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	16.6		20	83.2	59 - 133		



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,2-Dibromoethane	106-93-4	LCS	19.9		20	99.7	80 - 124		
1,2-Dichlorobenzene	95-50-1	LCS	20.8		20	104	82 - 118		
1,2-Dichloroethane	107-06-2	LCS	18.4		20	92.1	70 - 133		
1,2-Dichloropropane	78-87-5	LCS	20.3		20	102	81 - 127		
1,3-Dichlorobenzene	541-73-1	LCS	21		20	105	81 - 118		
1,3-Dichloropropane	142-28-9	LCS	20		20	100	82 - 126		
1,4-Dichlorobenzene	106-46-7	LCS	20.9		20	105	81 - 116		
2,2-Dichloropropane	594-20-7	LCS	21.1		20	105	64 - 129		
2-Butanone	78-93-3	LCS	113		100	113	50 - 152		
2-Hexanone	591-78-6	LCS	104		100	104	65 - 154		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	108		100	108	71 - 146		
Acetone	67-64-1	LCS	86.6		100	86.6	40 - 151		
Benzene	71-43-2	LCS	20.7		20	104	80 - 124		
Bromobenzene	108-86-1	LCS	20.5		20	102	81 - 119		
Bromochloromethane	74-97-5	LCS	18.8		20	94	73 - 117		
Bromodichloromethane	75-27-4	LCS	19.4		20	97.1	79 - 126		
Bromoform	75-25-2	LCS	18.3		20	91.7	70 - 123		
Bromomethane	74-83-9	LCS	16.4		20	82.2	45 - 148		
Carbon Tetrachloride	56-23-5	LCS	18.9		20	94.3	62 - 132		
Chlorobenzene	108-90-7	LCS	20.8		20	104	85 - 117		
Chlorodibromomethane	124-48-1	LCS	18.9		20	94.6	77 - 122		
Chloroethane	75-00-3	LCS	17.8		20	89.2	51 - 142		
Chloroform	67-66-3	LCS	19.4		20	97	78 - 122		
Chloromethane	74-87-3	LCS	18.6		20	93.1	38 - 156		
cis-1,2-Dichloroethene	156-59-2	LCS	19.9		20	99.6	78 - 125		
cis-1,3-Dichloropropene	10061-01-5	LCS	19.6		20	98	81 - 121		
Dibromomethane	74-95-3	LCS	19.6		20	97.8	81 - 125		
Dichlorodifluoromethane	75-71-8	LCS	21.2		20	106	17 - 166		
Diisopropyl ether	108-20-3	LCS	20		20	100	74 - 131		
Ethylbenzene	100-41-4	LCS	21.2		20	106	80 - 124		
Hexachlorobutadiene	87-68-3	LCS	21.1		20	106	55 - 128		
Methyl t-Butyl Ether	1634-04-4	LCS	18.6		20	92.8	69 - 115		
Methylene Chloride	75-09-2	LCS	19.4		20	97.1	76 - 121		
mp-Xylene	108383/106423	LCS	43.2		40	108	79 - 125		
Naphthalene	91-20-3	LCS	20		20	100	56 - 134		
o-Chlorotoluene	95-49-8	LCS	21.2		20	106	78 - 126		
o-Xylene	95-47-6	LCS	21.5		20	107	79 - 124		
p-Chlorotoluene	106-43-4	LCS	21.3		20	107	78 - 125		
p-Isopropyltoluene	99-87-6	LCS	21.9		20	110	72 - 123		
Styrene	100-42-5	LCS	21.1		20	105	79 - 123		
Tetrachloroethene	127-18-4	LCS	19.9		20	99.6	72 - 124		
Toluene	108-88-3	LCS	21.1		20	106	80 - 125		
Total Xylenes	1330-20-7	LCS	64.7		60	108	79 - 125		
trans-1,2-Dichloroethene	156-60-5	LCS	21.2		20	106	71 - 122		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.7		20	98.6	78 - 126		
Trichloroethene	79-01-6	LCS	18.7		20	93.5	77 - 124		
Trichlorofluoromethane	75-69-4	LCS	18.7		20	93.3	38 - 123		



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Vinyl Acetate	108-05-4	LCS	19		20	94.9	58 - 136		
Vinyl Chloride	75-01-4	LCS	20.1		20	100	27 - 138		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	28.5	30	94.9	62 - 133	
4-Bromofluorobenzene	460-00-4	LCS	30.6	30	102	79 - 114	
Dibromofluoromethane	1868-53-7	LCS	30.6	30	102	78 - 116	
Toluene-d8	2037-26-5	LCS	31.6	30	105	76 - 127	

Matrix Spike 4004157 (MS) 3420851005 For QC Batch 1448163

****NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 4004158 (MSD) 3420851005 For QC Batch 1448163

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	23.9	0	20	120	78 - 121		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	22.7	0	20	113	78 - 121	RPD 5.40 (Max-40)	
1,1,1-Trichloroethane	71-55-6	MS	26.9	2.30	20	123	66 - 130		
1,1,1-Trichloroethane	71-55-6	MSD	25.7	2.30	20	117	66 - 130	RPD 4.72 (Max-40)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	23.9	0	20	119	74 - 135		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	23.6	0	20	118	74 - 135	RPD 1.02 (Max-40)	
1,1,2-Trichloroethane	79-00-5	MS	23.7	0	20	118	82 - 126		
1,1,2-Trichloroethane	79-00-5	MSD	22.9	0	20	115	82 - 126	RPD 3.26 (Max-40)	
1,1-Dichloroethane	75-34-3	MS	31.2	5.60	20	128*	78 - 124		
1,1-Dichloroethane	75-34-3	MSD	30.5	5.60	20	124	78 - 124	RPD 2.29 (Max-40)	
1,1-Dichloroethene	75-35-4	MS	49.1	24.20	20	125	63 - 128		
1,1-Dichloroethene	75-35-4	MSD	48.6	24.20	20	122	63 - 128	RPD 0.93 (Max-40)	
1,1-Dichloropropene	563-58-6	MS	23.9	0	20	119	76 - 126		
1,1-Dichloropropene	563-58-6	MSD	23.3	0	20	117	76 - 126	RPD 2.44 (Max-40)	
1,2,3-Trichlorobenzene	87-61-6	MS	21.8	0	20	109	61 - 126		
1,2,3-Trichlorobenzene	87-61-6	MSD	21.5	0	20	107	61 - 126	RPD 1.71 (Max-40)	
1,2,3-Trichloropropane	96-18-4	MS	22.1	0	20	110	75 - 132		
1,2,3-Trichloropropane	96-18-4	MSD	21.8	0	20	109	75 - 132	RPD 1.42 (Max-40)	
1,2,4-Trichlorobenzene	120-82-1	MS	23.5	0	20	117	67 - 123		
1,2,4-Trichlorobenzene	120-82-1	MSD	22.8	0	20	114	67 - 123	RPD 2.72 (Max-40)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	19.3	0	20	96.4	59 - 133		
1,2-Dibromo-3-chloropropane	96-12-8	MSD	17.6	0	20	88	59 - 133	RPD 9.16 (Max-40)	
1,2-Dibromoethane	106-93-4	MS	22.4	0	20	112	80 - 124		
1,2-Dibromoethane	106-93-4	MSD	22.5	0	20	112	80 - 124	RPD 0.18 (Max-40)	
1,2-Dichlorobenzene	95-50-1	MS	23.8	0	20	119*	82 - 118		
1,2-Dichlorobenzene	95-50-1	MSD	23.5	0	20	117	82 - 118	RPD 1.43 (Max-40)	



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,2-Dichloroethane	107-06-2	MS	22.5	0	20	112	70 - 133		
1,2-Dichloroethane	107-06-2	MSD	21.5	0	20	108	70 - 133	RPD	<u>4.44</u> (Max-40)
1,2-Dichloropropane	78-87-5	MS	24	0	20	120	81 - 127		
1,2-Dichloropropane	78-87-5	MSD	23.3	0	20	116	81 - 127	RPD	<u>2.98</u> (Max-40)
1,3-Dichlorobenzene	541-73-1	MS	24.1	0	20	121*	81 - 118		
1,3-Dichlorobenzene	541-73-1	MSD	23.8	0	20	119*	81 - 118	RPD	<u>1.15</u> (Max-40)
1,3-Dichloropropane	142-28-9	MS	23.4	0	20	117	82 - 126		
1,3-Dichloropropane	142-28-9	MSD	22.6	0	20	113	82 - 126	RPD	<u>3.23</u> (Max-40)
1,4-Dichlorobenzene	106-46-7	MS	23.5	0	20	117*	81 - 116		
1,4-Dichlorobenzene	106-46-7	MSD	23.4	0	20	117*	81 - 116	RPD	<u>0.45</u> (Max-40)
2,2-Dichloropropane	594-20-7	MS	21.6	0	20	108	64 - 129		
2,2-Dichloropropane	594-20-7	MSD	20.5	0	20	103	64 - 129	RPD	<u>4.93</u> (Max-40)
2-Butanone	78-93-3	MS	119	0	100	119	50 - 152		
2-Butanone	78-93-3	MSD	117	0	100	117	50 - 152	RPD	<u>1.58</u> (Max-40)
2-Hexanone	591-78-6	MS	121	0	100	121	65 - 154		
2-Hexanone	591-78-6	MSD	117	0	100	117	65 - 154	RPD	<u>3.69</u> (Max-40)
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	122	0	100	122	71 - 146		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	119	0	100	119	71 - 146	RPD	<u>2.89</u> (Max-40)
Acetone	67-64-1	MS	111	0	100	111	40 - 151		
Acetone	67-64-1	MSD	107	0	100	107	40 - 151	RPD	<u>3.60</u> (Max-40)
Benzene	71-43-2	MS	24.7	0	20	124	80 - 124		
Benzene	71-43-2	MSD	23.9	0	20	120	80 - 124	RPD	<u>3.18</u> (Max-40)
Bromobenzene	108-86-1	MS	23.5	0	20	117	81 - 119		
Bromobenzene	108-86-1	MSD	22.9	0	20	115	81 - 119	RPD	<u>2.43</u> (Max-40)
Bromochloromethane	74-97-5	MS	21.7	0	20	109	73 - 117		
Bromochloromethane	74-97-5	MSD	21.6	0	20	108	73 - 117	RPD	<u>0.82</u> (Max-40)
Bromodichloromethane	75-27-4	MS	23.2	0	20	116	79 - 126		
Bromodichloromethane	75-27-4	MSD	22.4	0	20	112	79 - 126	RPD	<u>3.39</u> (Max-40)
Bromoform	75-25-2	MS	21.6	0	20	108	70 - 123		
Bromoform	75-25-2	MSD	21.5	0	20	108	70 - 123	RPD	<u>0.33</u> (Max-40)
Bromomethane	74-83-9	MS	18.2	0	20	90.8	45 - 148		
Bromomethane	74-83-9	MSD	18.5	0	20	92.7	45 - 148	RPD	<u>2.07</u> (Max-40)
Carbon Tetrachloride	56-23-5	MS	23.8	0	20	119	62 - 132		
Carbon Tetrachloride	56-23-5	MSD	23.3	0	20	116	62 - 132	RPD	<u>2.43</u> (Max-40)
Chlorobenzene	108-90-7	MS	24.6	0	20	123*	85 - 117		
Chlorobenzene	108-90-7	MSD	23.5	0	20	117	85 - 117	RPD	<u>4.88</u> (Max-40)
Chlorodibromomethane	124-48-1	MS	22.6	0	20	113	77 - 122		
Chlorodibromomethane	124-48-1	MSD	21.4	0	20	107	77 - 122	RPD	<u>5.44</u> (Max-40)
Chloroethane	75-00-3	MS	20.7	0	20	104	51 - 142		
Chloroethane	75-00-3	MSD	20.8	0	20	104	51 - 142	RPD	<u>0.49</u> (Max-40)
Chloroform	67-66-3	MS	22.9	0	20	114	78 - 122		
Chloroform	67-66-3	MSD	22.2	0	20	111	78 - 122	RPD	<u>3.06</u> (Max-40)
Chloromethane	74-87-3	MS	22.3	0	20	112	38 - 156		
Chloromethane	74-87-3	MSD	21.4	0	20	107	38 - 156	RPD	<u>4.08</u> (Max-40)
cis-1,2-Dichloroethene	156-59-2	MS	24	0	20	120	78 - 125		
cis-1,2-Dichloroethene	156-59-2	MSD	23.1	0	20	116	78 - 125	RPD	<u>3.95</u> (Max-40)
cis-1,3-Dichloropropene	10061-01-5	MS	21.6	0	20	108	81 - 121		
cis-1,3-Dichloropropene	10061-01-5	MSD	20.7	0	20	103	81 - 121	RPD	<u>4.25</u> (Max-40)
Dibromomethane	74-95-3	MS	22.8	0	20	114	81 - 125		



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Dibromomethane	74-95-3	MSD	22	0	20	110	81 - 125	RPD <u>3.52</u> (Max-40)	
Dichlorodifluoromethane	75-71-8	MS	25.3	0	20	127	17 - 166		
Dichlorodifluoromethane	75-71-8	MSD	25.1	0	20	126	17 - 166	RPD <u>0.83</u> (Max-40)	
Diisopropyl ether	108-20-3	MS	23.5	0	20	118	74 - 131		
Diisopropyl ether	108-20-3	MSD	22.7	0	20	113	74 - 131	RPD <u>3.80</u> (Max-40)	
Ethylbenzene	100-41-4	MS	24.9	0	20	124	80 - 124		
Ethylbenzene	100-41-4	MSD	24.5	0	20	122	80 - 124	RPD <u>1.55</u> (Max-40)	
Hexachlorobutadiene	87-68-3	MS	21.8	0	20	109	55 - 128		
Hexachlorobutadiene	87-68-3	MSD	21	0	20	105	55 - 128	RPD <u>3.71</u> (Max-40)	
Methyl t-Butyl Ether	1634-04-4	MS	22.9	1.20	20	108	69 - 115		
Methyl t-Butyl Ether	1634-04-4	MSD	22.2	1.20	20	105	69 - 115	RPD <u>2.88</u> (Max-40)	
Methylene Chloride	75-09-2	MS	22.3	0	20	111	76 - 121		
Methylene Chloride	75-09-2	MSD	21.4	0	20	107	76 - 121	RPD <u>3.90</u> (Max-40)	
mp-Xylene	108383/106423	MS	51	0	40	128*	79 - 125		
mp-Xylene	108383/106423	MSD	48.1	0	40	120	79 - 125	RPD <u>6</u> (Max-40)	
Naphthalene	91-20-3	MS	22.7	0	20	113	56 - 134		
Naphthalene	91-20-3	MSD	22.5	0	20	112	56 - 134	RPD <u>0.92</u> (Max-40)	
o-Chlorotoluene	95-49-8	MS	24.5	0	20	123	78 - 126		
o-Chlorotoluene	95-49-8	MSD	24.5	0	20	122	78 - 126	RPD <u>0.09</u> (Max-40)	
o-Xylene	95-47-6	MS	25.2	0	20	126*	79 - 124		
o-Xylene	95-47-6	MSD	24.2	0	20	121	79 - 124	RPD <u>4.31</u> (Max-40)	
p-Chlorotoluene	106-43-4	MS	24.3	0	20	121	78 - 125		
p-Chlorotoluene	106-43-4	MSD	24.1	0	20	120	78 - 125	RPD <u>0.82</u> (Max-40)	
p-Isopropyltoluene	99-87-6	MS	25.1	0	20	125*	72 - 123		
p-Isopropyltoluene	99-87-6	MSD	24	0	20	120	72 - 123	RPD <u>4.47</u> (Max-40)	
Styrene	100-42-5	MS	24.1	0	20	120	79 - 123		
Styrene	100-42-5	MSD	23.6	0	20	118	79 - 123	RPD <u>2.13</u> (Max-40)	
Tetrachloroethene	127-18-4	MS	23.2	0	20	116	72 - 124		
Tetrachloroethene	127-18-4	MSD	21.6	0	20	108	72 - 124	RPD <u>7.23</u> (Max-40)	
Toluene	108-88-3	MS	25	0	20	125	80 - 125		
Toluene	108-88-3	MSD	23.7	0	20	119	80 - 125	RPD <u>5.16</u> (Max-40)	
Total Xylenes	1330-20-7	MS	76.3	0	60	127*	79 - 125		
Total Xylenes	1330-20-7	MSD	72.2	0	60	120	79 - 125	RPD <u>5.43</u> (Max-40)	
trans-1,2-Dichloroethene	156-60-5	MS	25	0	20	125*	71 - 122		
trans-1,2-Dichloroethene	156-60-5	MSD	24.7	0	20	123*	71 - 122	RPD <u>1.41</u> (Max-40)	
trans-1,3-Dichloropropene	10061-02-6	MS	22.4	0	20	112	78 - 126		
trans-1,3-Dichloropropene	10061-02-6	MSD	21.4	0	20	107	78 - 126	RPD <u>4.20</u> (Max-40)	
Trichloroethene	79-01-6	MS	22.6	0	20	113	77 - 124		
Trichloroethene	79-01-6	MSD	21.5	0	20	108	77 - 124	RPD <u>4.95</u> (Max-40)	
Trichlorofluoromethane	75-69-4	MS	21.9	0	20	109	38 - 123		
Trichlorofluoromethane	75-69-4	MSD	22.1	0	20	110	38 - 123	RPD <u>1.03</u> (Max-40)	
Vinyl Acetate	108-05-4	MS	14.4	0	20	71.9	58 - 136		
Vinyl Acetate	108-05-4	MSD	15	0	20	74.9	58 - 136	RPD <u>4.20</u> (Max-40)	
Vinyl Chloride	75-01-4	MS	23.2	0	20	116	27 - 138		
Vinyl Chloride	75-01-4	MSD	23.2	0	20	116	27 - 138	RPD <u>0.11</u> (Max-40)	



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	29.5	30	98.3	62 - 133	
1,2-Dichloroethane-d4	17060-07-0	MSD	29.2	30	97.3	62 - 133	
4-Bromofluorobenzene	460-00-4	MS	30.4	30	101	79 - 114	
4-Bromofluorobenzene	460-00-4	MSD	31	30	103	79 - 114	
Dibromofluoromethane	1868-53-7	MS	30.2	30	101	78 - 116	
Dibromofluoromethane	1868-53-7	MSD	30.4	30	101	78 - 116	
Toluene-d8	2037-26-5	MS	30.9	30	103	76 - 127	
Toluene-d8	2037-26-5	MSD	30.9	30	103	76 - 127	

QC Batch		Prep Method	
QC Batch	1448259	Prep Method	N/A
Date	N/A	Analysis Method	SW846 8260D
Tech.			

Associated Samples			
3420851009	3420851010	3420851011	3420851012
3420851013	3420851014	3420851015	3420851016

Matrix Spike 4004334 (MS) 3420803021 (non-Project Sample) For QC Batch 1448259

***NOTE - The Original Result shown below is a raw result and is only used for the purpose of calculating Matrix Spike percent recoveries. This result is not a final value and cannot be used as such.

Matrix Spike Duplicate 4004335 (MSD) 3420803021 (non-Project Sample) For QC Batch 1448259

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	MS	1060	0	1000	106	78 - 121		
1,1,1,2-Tetrachloroethane	630-20-6	MSD	1110	0	1000	111	78 - 121	RPD <u>4.68</u> (Max-40)	
1,1,1-Trichloroethane	71-55-6	MS	1180	0	1000	118	66 - 130		
1,1,1-Trichloroethane	71-55-6	MSD	1210	0	1000	121	66 - 130	RPD <u>2.54</u> (Max-40)	
1,1,2,2-Tetrachloroethane	79-34-5	MS	1060	0	1000	106	74 - 135		
1,1,2,2-Tetrachloroethane	79-34-5	MSD	1150	0	1000	115	74 - 135	RPD <u>8.58</u> (Max-40)	
1,1,2-Trichloroethane	79-00-5	MS	1050	0	1000	105	82 - 126		
1,1,2-Trichloroethane	79-00-5	MSD	1090	0	1000	109	82 - 126	RPD <u>3.90</u> (Max-40)	
1,1-Dichloroethane	75-34-3	MS	1150	0	1000	115	78 - 124		
1,1-Dichloroethane	75-34-3	MSD	1150	0	1000	115	78 - 124	RPD <u>0.63</u> (Max-40)	
1,1-Dichloroethene	75-35-4	MS	1220	0	1000	122	63 - 128		
1,1-Dichloroethene	75-35-4	MSD	1230	0	1000	123	63 - 128	RPD <u>1.03</u> (Max-40)	
1,1-Dichloropropene	563-58-6	MS	1130	0	1000	113	76 - 126		
1,1-Dichloropropene	563-58-6	MSD	1150	0	1000	115	76 - 126	RPD <u>2.23</u> (Max-40)	
1,2,3-Trichlorobenzene	87-61-6	MS	961	0	1000	96.1	61 - 126		
1,2,3-Trichlorobenzene	87-61-6	MSD	1080	0	1000	108	61 - 126	RPD <u>11.30</u> (Max-40)	
1,2,3-Trichloropropane	96-18-4	MS	986	0	1000	98.6	75 - 132		
1,2,3-Trichloropropane	96-18-4	MSD	1070	0	1000	107	75 - 132	RPD <u>8.36</u> (Max-40)	
1,2,4-Trichlorobenzene	120-82-1	MS	1110	0	1000	111	67 - 123		
1,2,4-Trichlorobenzene	120-82-1	MSD	1250	0	1000	125*	67 - 123	RPD <u>11.30</u> (Max-40)	
1,2-Dibromo-3-chloropropane	96-12-8	MS	870	0	1000	87	59 - 133		



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,2-Dibromo-3-chloropropane	96-12-8	MSD	974	0	1000	97.4	59 - 133	RPD 11.30 (Max-40)	
1,2-Dibromoethane	106-93-4	MS	1040	0	1000	104	80 - 124		
1,2-Dibromoethane	106-93-4	MSD	1080	0	1000	108	80 - 124	RPD 3.67 (Max-40)	
1,2-Dichlorobenzene	95-50-1	MS	1120	98.50	1000	102	82 - 118		
1,2-Dichlorobenzene	95-50-1	MSD	1230	98.50	1000	113	82 - 118	RPD 9.53 (Max-40)	
1,2-Dichloroethane	107-06-2	MS	1040	0	1000	104	70 - 133		
1,2-Dichloroethane	107-06-2	MSD	1070	0	1000	107	70 - 133	RPD 2.46 (Max-40)	
1,2-Dichloropropane	78-87-5	MS	1120	0	1000	112	81 - 127		
1,2-Dichloropropane	78-87-5	MSD	1140	0	1000	114	81 - 127	RPD 1.56 (Max-40)	
1,3-Dichlorobenzene	541-73-1	MS	1140	60.70	1000	107	81 - 118		
1,3-Dichlorobenzene	541-73-1	MSD	1250	60.70	1000	119*	81 - 118	RPD 9.56 (Max-40)	
1,3-Dichloropropane	142-28-9	MS	1030	0	1000	103	82 - 126		
1,3-Dichloropropane	142-28-9	MSD	1070	0	1000	107	82 - 126	RPD 3.48 (Max-40)	
1,4-Dichlorobenzene	106-46-7	MS	1400	374	1000	102	81 - 116		
1,4-Dichlorobenzene	106-46-7	MSD	1540	374	1000	117*	81 - 116	RPD 9.70 (Max-40)	
2,2-Dichloropropane	594-20-7	MS	1000	0	1000	100	64 - 129		
2,2-Dichloropropane	594-20-7	MSD	1020	0	1000	102	64 - 129	RPD 1.46 (Max-40)	
2-Butanone	78-93-3	MS	5290	0	5000	106	50 - 152		
2-Butanone	78-93-3	MSD	5390	0	5000	108	50 - 152	RPD 1.81 (Max-40)	
2-Hexanone	591-78-6	MS	4320	0	5000	86.4	65 - 154		
2-Hexanone	591-78-6	MSD	4480	0	5000	89.7	65 - 154	RPD 3.69 (Max-40)	
4-Methyl-2-Pentanone(MIBK)	108-10-1	MS	4400	0	5000	88	71 - 146		
4-Methyl-2-Pentanone(MIBK)	108-10-1	MSD	4530	0	5000	90.5	71 - 146	RPD 2.83 (Max-40)	
Acetone	67-64-1	MS	4910	0	5000	98.2	40 - 151		
Acetone	67-64-1	MSD	4930	0	5000	98.7	40 - 151	RPD 0.45 (Max-40)	
Benzene	71-43-2	MS	1100	0	1000	110	80 - 124		
Benzene	71-43-2	MSD	1120	0	1000	112	80 - 124	RPD 1.76 (Max-40)	
Bromobenzene	108-86-1	MS	1070	0	1000	107	81 - 119		
Bromobenzene	108-86-1	MSD	1160	0	1000	116	81 - 119	RPD 8.59 (Max-40)	
Bromochloromethane	74-97-5	MS	1130	0	1000	113	73 - 117		
Bromochloromethane	74-97-5	MSD	1150	0	1000	115	73 - 117	RPD 1.60 (Max-40)	
Bromodichloromethane	75-27-4	MS	950	0	1000	95	79 - 126		
Bromodichloromethane	75-27-4	MSD	980	0	1000	98	79 - 126	RPD 3.13 (Max-40)	
Bromoform	75-25-2	MS	884	0	1000	88.4	70 - 123		
Bromoform	75-25-2	MSD	983	0	1000	98.3	70 - 123	RPD 10.70 (Max-40)	
Bromomethane	74-83-9	MS	1230	0	1000	123	45 - 148		
Bromomethane	74-83-9	MSD	1180	0	1000	118	45 - 148	RPD 3.76 (Max-40)	
Carbon Tetrachloride	56-23-5	MS	1160	0	1000	116	62 - 132		
Carbon Tetrachloride	56-23-5	MSD	1180	0	1000	118	62 - 132	RPD 2.34 (Max-40)	
Chlorobenzene	108-90-7	MS	10700	9670	1000	NC	85 - 117		
Chlorobenzene	108-90-7	MSD	10700	9670	1000	NC	85 - 117	RPD 0.75 (Max-40)	
Chlorodibromomethane	124-48-1	MS	922	0	1000	92.2	77 - 122		
Chlorodibromomethane	124-48-1	MSD	957	0	1000	95.7	77 - 122	RPD 3.72 (Max-40)	
Chloroethane	75-00-3	MS	1180	0	1000	118	51 - 142		
Chloroethane	75-00-3	MSD	1140	0	1000	114	51 - 142	RPD 2.72 (Max-40)	
Chloroform	67-66-3	MS	1060	0	1000	106	78 - 122		
Chloroform	67-66-3	MSD	1090	0	1000	109	78 - 122	RPD 2.99 (Max-40)	
Chloromethane	74-87-3	MS	1200	0	1000	120	38 - 156		
Chloromethane	74-87-3	MSD	1150	0	1000	115	38 - 156	RPD 4.56 (Max-40)	



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
cis-1,2-Dichloroethene	156-59-2	MS	1830	741	1000	109	78 - 125		
cis-1,2-Dichloroethene	156-59-2	MSD	1850	741	1000	111	78 - 125	RPD	<u>1.30</u> (Max-40)
cis-1,3-Dichloropropene	10061-01-5	MS	891	0	1000	89.1	81 - 121		
cis-1,3-Dichloropropene	10061-01-5	MSD	929	0	1000	92.9	81 - 121	RPD	<u>4.15</u> (Max-40)
Dibromomethane	74-95-3	MS	1080	0	1000	108	81 - 125		
Dibromomethane	74-95-3	MSD	1090	0	1000	109	81 - 125	RPD	<u>1.11</u> (Max-40)
Dichlorodifluoromethane	75-71-8	MS	1380	0	1000	138	17 - 166		
Dichlorodifluoromethane	75-71-8	MSD	1320	0	1000	132	17 - 166	RPD	<u>4.21</u> (Max-40)
Diisopropyl ether	108-20-3	MS	1060	0	1000	106	74 - 131		
Diisopropyl ether	108-20-3	MSD	1080	0	1000	108	74 - 131	RPD	<u>1.77</u> (Max-40)
Ethylbenzene	100-41-4	MS	1180	22.90	1000	116	80 - 124		
Ethylbenzene	100-41-4	MSD	1250	22.90	1000	122	80 - 124	RPD	<u>5.44</u> (Max-40)
Hexachlorobutadiene	87-68-3	MS	1130	0	1000	113	55 - 128		
Hexachlorobutadiene	87-68-3	MSD	1300	0	1000	130*	55 - 128	RPD	<u>13.90</u> (Max-40)
Methyl t-Butyl Ether	1634-04-4	MS	1040	0	1000	104	69 - 115		
Methyl t-Butyl Ether	1634-04-4	MSD	1070	0	1000	107	69 - 115	RPD	<u>3.10</u> (Max-40)
Methylene Chloride	75-09-2	MS	1110	0	1000	111	76 - 121		
Methylene Chloride	75-09-2	MSD	1130	0	1000	113	76 - 121	RPD	<u>1.69</u> (Max-40)
mp-Xylene	108383/106423	MS	2200	54.30	2000	107	79 - 125		
mp-Xylene	108383/106423	MSD	2290	54.30	2000	112	79 - 125	RPD	<u>4.20</u> (Max-40)
Naphthalene	91-20-3	MS	2390	1300	1000	109	56 - 134		
Naphthalene	91-20-3	MSD	2550	1300	1000	125	56 - 134	RPD	<u>6.70</u> (Max-40)
o-Chlorotoluene	95-49-8	MS	1050	0	1000	105	78 - 126		
o-Chlorotoluene	95-49-8	MSD	1150	0	1000	115	78 - 126	RPD	<u>8.86</u> (Max-40)
o-Xylene	95-47-6	MS	1120	31.20	1000	109	79 - 124		
o-Xylene	95-47-6	MSD	1170	31.20	1000	114	79 - 124	RPD	<u>4.42</u> (Max-40)
p-Chlorotoluene	106-43-4	MS	1070	0	1000	107	78 - 125		
p-Chlorotoluene	106-43-4	MSD	1180	0	1000	118	78 - 125	RPD	<u>9.54</u> (Max-40)
p-Isopropyltoluene	99-87-6	MS	949	0	1000	94.9	72 - 123		
p-Isopropyltoluene	99-87-6	MSD	1060	0	1000	106	72 - 123	RPD	<u>11</u> (Max-40)
Styrene	100-42-5	MS	1000	22.60	1000	98.2	79 - 123		
Styrene	100-42-5	MSD	1100	22.60	1000	108	79 - 123	RPD	<u>8.97</u> (Max-40)
Tetrachloroethene	127-18-4	MS	1030	0	1000	103	72 - 124		
Tetrachloroethene	127-18-4	MSD	1080	0	1000	108	72 - 124	RPD	<u>4.79</u> (Max-40)
Toluene	108-88-3	MS	1190	126	1000	107	80 - 125		
Toluene	108-88-3	MSD	1230	126	1000	111	80 - 125	RPD	<u>3.42</u> (Max-40)
Total Xylenes	1330-20-7	MS	3320	85.50	3000	108	79 - 125		
Total Xylenes	1330-20-7	MSD	3460	85.50	3000	112	79 - 125	RPD	<u>4.28</u> (Max-40)
trans-1,2-Dichloroethene	156-60-5	MS	1160	0	1000	116	71 - 122		
trans-1,2-Dichloroethene	156-60-5	MSD	1180	0	1000	118	71 - 122	RPD	<u>2.02</u> (Max-40)
trans-1,3-Dichloropropene	10061-02-6	MS	887	0	1000	88.7	78 - 126		
trans-1,3-Dichloropropene	10061-02-6	MSD	914	0	1000	91.4	78 - 126	RPD	<u>3.04</u> (Max-40)
Trichloroethene	79-01-6	MS	1110	0	1000	111	77 - 124		
Trichloroethene	79-01-6	MSD	1130	0	1000	113	77 - 124	RPD	<u>1.32</u> (Max-40)
Trichlorofluoromethane	75-69-4	MS	1300	0	1000	130*	38 - 123		
Trichlorofluoromethane	75-69-4	MSD	1280	0	1000	128*	38 - 123	RPD	<u>2.25</u> (Max-40)
Vinyl Acetate	108-05-4	MS	858	0	1000	85.8	58 - 136		
Vinyl Acetate	108-05-4	MSD	899	0	1000	89.9	58 - 136	RPD	<u>4.65</u> (Max-40)



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
Vinyl Chloride	75-01-4	MS	1200	0	1000	120	27 - 138		
Vinyl Chloride	75-01-4	MSD	1140	0	1000	114	27 - 138	RPD <u>4.87</u> (Max-40)	

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	MS	1600	1500	106	62 - 133	
1,2-Dichloroethane-d4	17060-07-0	MSD	1550	1500	103	62 - 133	
4-Bromofluorobenzene	460-00-4	MS	1530	1500	102	79 - 114	
4-Bromofluorobenzene	460-00-4	MSD	1590	1500	106	79 - 114	
Dibromofluoromethane	1868-53-7	MS	1520	1500	101	78 - 116	
Dibromofluoromethane	1868-53-7	MSD	1490	1500	99.7	78 - 116	
Toluene-d8	2037-26-5	MS	1450	1500	97	76 - 127	
Toluene-d8	2037-26-5	MSD	1440	1500	95.8	76 - 127	

Method Blank 4004332 (MB) Created on 06/26/2025 00:57 For QC Batch 1448259

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	BLK	1.0	ug/L	1.0	U
1,1,1-Trichloroethane	71-55-6	BLK	1.0	ug/L	1.0	U
1,1,2,2-Tetrachloroethane	79-34-5	BLK	1.0	ug/L	1.0	U
1,1,2-Trichloroethane	79-00-5	BLK	1.0	ug/L	1.0	U
1,1-Dichloroethane	75-34-3	BLK	1.0	ug/L	1.0	U
1,1-Dichloroethene	75-35-4	BLK	1.0	ug/L	1.0	U
1,1-Dichloropropene	563-58-6	BLK	1.0	ug/L	1.0	U
1,2,3-Trichlorobenzene	87-61-6	BLK	2.0	ug/L	2.0	U
1,2,3-Trichloropropane	96-18-4	BLK	2.0	ug/L	2.0	U
1,2,4-Trichlorobenzene	120-82-1	BLK	2.0	ug/L	2.0	U
1,2-Dibromo-3-chloropropane	96-12-8	BLK	7.0	ug/L	7.0	U
1,2-Dibromoethane	106-93-4	BLK	1.0	ug/L	1.0	U
1,2-Dichlorobenzene	95-50-1	BLK	1.0	ug/L	1.0	U
1,2-Dichloroethane	107-06-2	BLK	1.0	ug/L	1.0	U
1,2-Dichloropropane	78-87-5	BLK	1.0	ug/L	1.0	U
1,3-Dichlorobenzene	541-73-1	BLK	1.0	ug/L	1.0	U
1,3-Dichloropropane	142-28-9	BLK	1.0	ug/L	1.0	U
1,4-Dichlorobenzene	106-46-7	BLK	1.0	ug/L	1.0	U
2,2-Dichloropropane	594-20-7	BLK	1.0	ug/L	1.0	U
2-Butanone	78-93-3	BLK	10.0	ug/L	10.0	U
2-Hexanone	591-78-6	BLK	5.0	ug/L	5.0	U
4-Methyl-2-Pentanone(MIBK)	108-10-1	BLK	5.0	ug/L	5.0	U
Acetone	67-64-1	BLK	10.0	ug/L	10.0	U
Benzene	71-43-2	BLK	1.0	ug/L	1.0	U
Bromobenzene	108-86-1	BLK	1.0	ug/L	1.0	U
Bromochloromethane	74-97-5	BLK	1.0	ug/L	1.0	U



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result	Units	RDL	Qualifiers
Bromodichloromethane	75-27-4	BLK	1.0 U	ug/L	1.0	U
Bromoform	75-25-2	BLK	1.0 U	ug/L	1.0	U
Bromomethane	74-83-9	BLK	1.0 U	ug/L	1.0	U
Carbon Tetrachloride	56-23-5	BLK	1.0 U	ug/L	1.0	U
Chlorobenzene	108-90-7	BLK	1.0 U	ug/L	1.0	U
Chlorodibromomethane	124-48-1	BLK	1.0 U	ug/L	1.0	U
Chloroethane	75-00-3	BLK	1.0 U	ug/L	1.0	U
Chloroform	67-66-3	BLK	1.0 U	ug/L	1.0	U
Chloromethane	74-87-3	BLK	1.0 U	ug/L	1.0	U
cis-1,2-Dichloroethene	156-59-2	BLK	1.0 U	ug/L	1.0	U
cis-1,3-Dichloropropene	10061-01-5	BLK	1.0 U	ug/L	1.0	U
Dibromomethane	74-95-3	BLK	1.0 U	ug/L	1.0	U
Dichlorodifluoromethane	75-71-8	BLK	1.0 U	ug/L	1.0	U
Diisopropyl ether	108-20-3	BLK	1.0 U	ug/L	1.0	U
Ethylbenzene	100-41-4	BLK	1.0 U	ug/L	1.0	U
Hexachlorobutadiene	87-68-3	BLK	5.0 U	ug/L	5.0	U
Methyl t-Butyl Ether	1634-04-4	BLK	1.0 U	ug/L	1.0	U
Methylene Chloride	75-09-2	BLK	1.0 U	ug/L	1.0	U
mp-Xylene	108383/106423	BLK	2.0 U	ug/L	2.0	U
Naphthalene	91-20-3	BLK	2.0 U	ug/L	2.0	U
o-Chlorotoluene	95-49-8	BLK	1.0 U	ug/L	1.0	U
o-Xylene	95-47-6	BLK	1.0 U	ug/L	1.0	U
p-Chlorotoluene	106-43-4	BLK	1.0 U	ug/L	1.0	U
p-Isopropyltoluene	99-87-6	BLK	1.0 U	ug/L	1.0	U
Styrene	100-42-5	BLK	1.0 U	ug/L	1.0	U
Tetrachloroethene	127-18-4	BLK	1.0 U	ug/L	1.0	U
Toluene	108-88-3	BLK	1.0 U	ug/L	1.0	U
Total Xylenes	1330-20-7	BLK	3.0 U	ug/L	3.0	U
trans-1,2-Dichloroethene	156-60-5	BLK	1.0 U	ug/L	1.0	U
trans-1,3-Dichloropropene	10061-02-6	BLK	1.0 U	ug/L	1.0	U
Trichloroethene	79-01-6	BLK	1.0 U	ug/L	1.0	U
Trichlorofluoromethane	75-69-4	BLK	1.0 U	ug/L	1.0	U
Vinyl Acetate	108-05-4	BLK	5.0 U	ug/L	5.0	U
Vinyl Chloride	75-01-4	BLK	1.0 U	ug/L	1.0	U

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	BLK	29.3	30	97.5	62 - 133	
4-Bromofluorobenzene	460-00-4	BLK	30.8	30	103	79 - 114	
Dibromofluoromethane	1868-53-7	BLK	28.3	30	94.4	78 - 116	
Toluene-d8	2037-26-5	BLK	30.7	30	102	76 - 127	



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

Lab Control Standard 4004333 (LCS) Created on 06/26/2025 00:57 For QC Batch 1448259

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
1,1,1,2-Tetrachloroethane	630-20-6	LCS	22.5		20	112	78 - 121		
1,1,1-Trichloroethane	71-55-6	LCS	22.1		20	111	66 - 130		
1,1,2,2-Tetrachloroethane	79-34-5	LCS	21.2		20	106	74 - 135		
1,1,2-Trichloroethane	79-00-5	LCS	21.9		20	109	82 - 126		
1,1-Dichloroethane	75-34-3	LCS	21.3		20	106	78 - 124		
1,1-Dichloroethene	75-35-4	LCS	22.1		20	110	63 - 128		
1,1-Dichloropropene	563-58-6	LCS	21.1		20	105	76 - 126		
1,2,3-Trichlorobenzene	87-61-6	LCS	19.8		20	99.1	61 - 126		
1,2,3-Trichloropropane	96-18-4	LCS	20.4		20	102	75 - 132		
1,2,4-Trichlorobenzene	120-82-1	LCS	22.7		20	113	67 - 123		
1,2-Dibromo-3-chloropropane	96-12-8	LCS	18.1		20	90.6	59 - 133		
1,2-Dibromoethane	106-93-4	LCS	22.3		20	112	80 - 124		
1,2-Dichlorobenzene	95-50-1	LCS	21.3		20	107	82 - 118		
1,2-Dichloroethane	107-06-2	LCS	20.9		20	104	70 - 133		
1,2-Dichloropropane	78-87-5	LCS	21.5		20	108	81 - 127		
1,3-Dichlorobenzene	541-73-1	LCS	21.4		20	107	81 - 118		
1,3-Dichloropropane	142-28-9	LCS	21.5		20	107	82 - 126		
1,4-Dichlorobenzene	106-46-7	LCS	20.7		20	104	81 - 116		
2,2-Dichloropropane	594-20-7	LCS	22.2		20	111	64 - 129		
2-Butanone	78-93-3	LCS	115		100	115	50 - 152		
2-Hexanone	591-78-6	LCS	100		100	100	65 - 154		
4-Methyl-2-Pentanone(MIBK)	108-10-1	LCS	97.2		100	97.2	71 - 146		
Acetone	67-64-1	LCS	123		100	123	40 - 151		
Benzene	71-43-2	LCS	20.7		20	103	80 - 124		
Bromobenzene	108-86-1	LCS	20.8		20	104	81 - 119		
Bromochloromethane	74-97-5	LCS	21.9		20	110	73 - 117		
Bromodichloromethane	75-27-4	LCS	18.6		20	92.8	79 - 126		
Bromoform	75-25-2	LCS	18.8		20	93.9	70 - 123		
Bromomethane	74-83-9	LCS	20.7		20	104	45 - 148		
Carbon Tetrachloride	56-23-5	LCS	18.6		20	93	62 - 132		
Chlorobenzene	108-90-7	LCS	21.3		20	106	85 - 117		
Chlorodibromomethane	124-48-1	LCS	19.3		20	96.4	77 - 122		
Chloroethane	75-00-3	LCS	19.4		20	97.2	51 - 142		
Chloroform	67-66-3	LCS	20.4		20	102	78 - 122		
Chloromethane	74-87-3	LCS	21		20	105	38 - 156		
cis-1,2-Dichloroethene	156-59-2	LCS	21		20	105	78 - 125		
cis-1,3-Dichloropropene	10061-01-5	LCS	18.9		20	94.7	81 - 121		
Dibromomethane	74-95-3	LCS	21.5		20	108	81 - 125		
Dichlorodifluoromethane	75-71-8	LCS	23.6		20	118	17 - 166		
Diisopropyl ether	108-20-3	LCS	20.3		20	101	74 - 131		
Ethylbenzene	100-41-4	LCS	21.7		20	108	80 - 124		
Hexachlorobutadiene	87-68-3	LCS	25.8		20	129*	55 - 128		
Methyl t-Butyl Ether	1634-04-4	LCS	21		20	105	69 - 115		
Methylene Chloride	75-09-2	LCS	21.1		20	105	76 - 121		



QUALITY CONTROL SAMPLES

VOLATILE ORGANICS (cont.)

RESULTS

Compound	CAS No		Result (ug/L)	Orig. Result (ug/L)	Spk Added (ug/L)	Rec. (%)	Limits (%)	RPD Limit (%)	Qualifiers
mp-Xylene	108383/106423	LCS	43.7		40	109	79 - 125		
Naphthalene	91-20-3	LCS	20.4		20	102	56 - 134		
o-Chlorotoluene	95-49-8	LCS	20.3		20	101	78 - 126		
o-Xylene	95-47-6	LCS	22.1		20	111	79 - 124		
p-Chlorotoluene	106-43-4	LCS	21.2		20	106	78 - 125		
p-Isopropyltoluene	99-87-6	LCS	18.8		20	93.9	72 - 123		
Styrene	100-42-5	LCS	19.6		20	97.9	79 - 123		
Tetrachloroethene	127-18-4	LCS	22.3		20	111	72 - 124		
Toluene	108-88-3	LCS	21.4		20	107	80 - 125		
Total Xylenes	1330-20-7	LCS	65.8		60	110	79 - 125		
trans-1,2-Dichloroethene	156-60-5	LCS	21.6		20	108	71 - 122		
trans-1,3-Dichloropropene	10061-02-6	LCS	19.2		20	96.2	78 - 126		
Trichloroethene	79-01-6	LCS	21		20	105	77 - 124		
Trichlorofluoromethane	75-69-4	LCS	21.2		20	106	38 - 123		
Vinyl Acetate	108-05-4	LCS	17.8		20	89	58 - 136		
Vinyl Chloride	75-01-4	LCS	20.6		20	103	27 - 138		

SURROGATES

Compound	CAS No		Result (ug/L)	Expected (ug/L)	Rec. (%)	Limits (%)	Qualifiers
1,2-Dichloroethane-d4	17060-07-0	LCS	28.9	30	96.4	62 - 133	
4-Bromofluorobenzene	460-00-4	LCS	29.1	30	96.9	79 - 114	
Dibromofluoromethane	1868-53-7	LCS	29.4	30	98	78 - 116	
Toluene-d8	2037-26-5	LCS	29.7	30	99.1	76 - 127	



QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	Preparation Method	Prep Batch	Prep Date/Time	By	Analysis Method	Anly Batch
3420851001	MW-29D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448163
3420851002	MW-28D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448163
3420851003	MW-36D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448163
3420851004	MW-25D-130	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448345
		N/A	N/A	N/A	SW846 8260D	1448163	
3420851005	MW-25D-190	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448163
3420851006	MW-200	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448345
		N/A	N/A	N/A	SW846 8260D	1448163	
3420851007	Trip Blank 3	N/A	N/A	N/A		SW846 8260D	1448163
3420851008	MW-24D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448345
		N/A	N/A	N/A	SW846 8260D	1448163	
3420851009	MW-45	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448259
3420851010	MW-34D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448024
		N/A	N/A	N/A		SW846 8260D	1448259
3420851011	MW-31D	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448195
		N/A	N/A	N/A		SW846 8260D	1448259
3420851012	MW-33D-295	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448195
		N/A	N/A	N/A		SW846 8260D	1448259
3420851013	MW-33D-235	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448195
		N/A	N/A	N/A		SW846 8260D	1448259
3420851014	MW-30D-413	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448195
		N/A	N/A	N/A		SW846 8260D	1448259
3420851015	MW-30D-273	SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448195
		SW846 3510C	1445453	06/23/2025 08:05	EJH	SW846 8270E SIM	1448345
		N/A	N/A	N/A	SW846 8260D	1448259	
3420851016	Trip Blank 4	N/A	N/A	N/A		SW846 8260D	1448259

301 Fulling Mill Rd, Suite A
 Middletown, PA 17057
 P. 717-944-5541

**CHAIN OF CUSTODY/
 REQUEST FOR ANALYSIS**
 ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
 SAMPLER. INSTRUCTIONS ON THE BACK.

3420851

Logged By: SLS
 PM: SJB



1/2 of

Client Name: WSP USA		Container Type: 6 A		Therm ID: On Ice	
Address: 13530 Dulles Technology Dr St 300 Herndon, VA		Container: 4000 750ml		Y N	
Contact: Eric Johnson		Preservative: MW USP		Y N	
Phone#:		Orthophosphate Filtered? Yes No		Y N	
Project Name#: KOPFLEX OFFSITE		Hexavalent Chromium Filtered? Yes No		Y N	
Bill To: P1302671 US001		ANALYSIS / METHOD REQUESTED			
Purchase Order #:		Enter Number of Containers Per Sample or Field Results Below.			
TAT: <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days.		SDWA Sample Type (see key)			
Date Required: <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.		*Matrix (See bottom of COC)			
Email? <input type="checkbox"/> Approved?		G or C			
Sample Description/Location (as it will appear on the lab report)	Date Collected mm/dd/yyyy	Time hh:mm	SDWA Sample Type Key:		
1 MW-29 D	6/11/25 1140		D=Distribution	E=Entry Point	R=Raw P=Plant
2 MW-32D-SH			C=Check	S=Special	A=Annual Startup
3 MW-28D		1345	Comments		
4 MW-36D		1400			
5 MW-25D-130		1430			
6 MW-25D-190		1445			
7 MW-25D-P10MSMGD		1445			
8 MW-200		1145			
9 Trip blank 3					
10					
Circle Sample Collector: ALS Tech / Client ID:		Received By / Company Name		State Samples Collected In	
Date:	Time	Relinquished By / Company Name	Standard Lvl 1	CLP-like	HSCA
6/11/25 1540		WSP	Standard Lvl 2	DOD	Landfill
6/10/25 2000		WSP	Standard Lvl 3	NJ RED	NJ GW
			Standard Lvl 4	NJ Full	
			Excel Summary		Sample Disposal
			Equis	Lab	
			Custom	Special	
EDDS: Format Type			NY		
			NJ		
			PA		
			WV		
			FL		
			other		

* G=Grab; C=Composite **Matrix - A=Air; D=Drinking Water; GW=Groundwater; O=Oil; LW=Liquid Waste; S=Solid/Soil/Sludge; SW=Surface Water; WPF=Wipe; WW=Wastewater

Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Visit link for detailed Terms & Conditions: <https://www.alsglobal.com/ALSGroupUSACorpTC>



301 Fulling Mill Rd, Suite A
Middletown, PA 17057
P: 717-944-5541

**CHAIN OF CUSTODY/
REQUEST FOR ANALYSIS**
ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT /
SAMPLER. INSTRUCTIONS ON THE BACK.

3420851

212 of

Client Name: WSP USA		Container Type: G A		Temp °C		Therm ID		On Ice	
Address: 13530 Dulles Technology Dr St 300 Arden, VA		Container: 1000 1500 1000		3				Y N	
Contact: Eric Johnson		Preservative: 1000				Sample(s) for Radiation testing?		Y N	
Phone#: 8250		Orthophosphate Filtered?		Yes No		Reportable SDWA Sample(s)?		Y N	
Project Name#: KOP Flex Office		Hexavalent Chromium Filtered?		Yes No		SDWA State of Origin			
Bill To: P130601 US061		ANALYSIS / METHOD REQUESTED				PWSID#			
Purchase Order #: 8250		Enter Number of Containers Per Sample or Field Results Below.				PWS Contact			
TAT <input checked="" type="checkbox"/> Normal-Standard TAT is 10-12 business days.		SDWA Sample Type (see key)				PWS Phone#			
Date Required: <input type="checkbox"/> Rush-Subject to ALS approval and surcharges.		*Matrix (See bottom of COC)				New Source?		Y N	
Email? <input type="checkbox"/> Approved?		G or C				New Source Contact:			
		SDWA Sample Type Key:				D=Distribution E=Entry Point R=Raw P=Plant			
		C=Check S=Special A=Annual Startup				Comments			
		Comments:							
		Standard Lvl 1				CLP-like		HSCA	
		Standard Lvl 2				DOD		Landfill	
		Standard Lvl 3				NJ RED		NJ GW	
		Standard Lvl 4				NJ Full			
		Excel Summary				Sample Disposal		State Samples Collected In	
		Equis				Lab		NY	
		Custom				Special		NJ	
		Format Type						PA	
		EDDS:						WV	
		10						FL	
		other							

Signature denotes acceptance of ALS Group USA, Corp. Terms and Conditions - Visit link for detailed Terms & Conditions: <https://www.alsglobal.com/ALSGroupUSACorpTC>



Middletown Sample Condition Form

Client WSP Workorder 3470881
 Temp °C 3° Therm ID 649 Ice? Y N N/A Initials & Date DB 6/18/25
 Fedex UPS Client ALS Other Tracking # _____

	Yes	No ¹	N/A	Comments
Cooler Custody Seals present & intact			✓	
Sample Custody Seals present & intact			✓	
Chain-of-Custody present	✓			
Sample collector name present <i>If not present, must contact PM/client to request name.</i>		✓		PM
COC/bottle labels complete & in agreement				
• Sample location	✓			
• Date and time of sample collection	✓			
• Type(s) of preservation		✓		W
• Number of containers	✓			
• Composite or grab		✓		
• Matrix				W
Proper containers, preservation, and volume per method	✓			
Received within hold time	✓			
Containers intact	✓			
Trip blanks present (EPA 504, EPA 524)	✓			
Field blanks present (Hg 1631, PFAS)			✓	
NJ ≤ 4 Days			✓	
CR6 Samples Filtered			✓	
OP Samples Filtered			✓	
WV Containers 0-6°C			✓	
SDWA compliance reporting			✓	

¹ If No, provide comment

Rad Screen (uCi) _____

PM - PM to contact client
 N/A - Not Applicable
 UC - Updated coc with missing informatio

Review Comments:

ENCLOSURE B – HISTORICAL GROUNDWATER SAMPLING RESULTS (2015
TO JUNE 2025)

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
Shallow Zone Lower Patapsco Wells (b)											
MW-25 (c)	3/19/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	6/24/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/23/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	1/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	3/23/2016	1.0 U	1.0 U	1.0 U	1.5	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	7/20/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	11.7	1.0 U	1.0 U	1.0 U
	2/13/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/30/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
MW-28 (c)	3/17/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	6/23/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/22/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	1/5/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	3/22/2016	1.0 U	1.0 U	1.0 U	6.2	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	7/19/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/7/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	2/14/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/30/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-45	3/24/2017	1.0 U	1.0 U	1.9	1.0 U	2.3	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/28/2018	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/8/2020	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	2.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	7/14/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
Deep Zone Lower Patapsco Wells											
MW-24D	3/22/2016	12.5 U	88.0	15.7	1,780	12.5 U	561	39.4	38.6	12.5 U	12.5 U
	12/8/2016	5.0 U	36.1	5.2	701	5.0 U	192	10.0 U	9.0	5.0 U	5.0 U
	5/2/2017	5.0 U	40.4	5.6	830	5.0 U	216	10.0 U	10.2	5.0 U	5.0 U
	11/14/2017	5.0 U	28.1	3.4	803	2.3	212	11.7	10.5	0.5 J	5.9
	5/30/2018	4.0 U	26.6	4.0 U	529	4.0 U	187	8.0 U	5.5	4.0 U	4.0 U
	11/7/2018	5.0 U	29.8	5.0 U	560	5.0 U	2.0 U	10.0 U	5.0 U	5.0 U	5.0 U
	5/22/2019	10.0 U	66.2	10.0 U	1,190	10.0 U	359	50.0 U	18.0	10.0 U	10.0 U
	11/19/2019	5.0 U	54.5	6.6	868	5.0 U	155	25.0 U	10.0	5.0 U	6.0 U
	5/12/2020	2.5 U	25.0	3.3	402	5.0 U	139	25.0 U	3.7	5.0 U	3.2
	11/23/2020	4.0 U	73.5	4.0 U	505	4.0 U	208	20.0 U	4.4	4.0 U	4.0 U
	5/10/2021	6.2	151	6.3	788	7.2	299	25.0 U	10.9	5.0 U	5.0 U
	11/15/2021	10.0 U	142	10.0 U	1,300	10.0 U	475	25.0 U	16.1	5.0 U	5.0 U
	6/27/2022	3.6	142	7.4	1,490	6.9	165	1.0 U	18.5	1.0	8.6
	11/21/2022	2.8	114	7.5	1,020	5.5	148	1.0 U	15.3	1.2	7.7
	7/14/2023	1.6	110	7.1	954	4.8	90	10.0 U	14.8	1.1	7.3
	12/4/2023	10.0 U	88.1	10.0 U	1,130	10.0 U	102	10.0 U	11.9	10.0 U	10.0 U
5/20/2024	10.0 U	76.8	10.0 U	999	10.0 U	78	10.0 U	10.0 U	10.0 U	10.0 U	
11/11/2024	10.0 U	73.8	10.0 U	947	10.0 U	160	10.0 U	10.0 U	10.0 U	10.0 U	
6/16/2025	10.0 U	82.3	10.0 U	871	10.0 U	165	10.0 U	10.0 U	10.0 U	10.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene	
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5	
MW-25D-130	3/19/2015	10.0 U	38.6	10.8	854	10.0 U	446	200 U	8,930	100.0 U	100.0 U	
	6/24/2015	1.0 U	37.1	8.9	1,030	4.6	303	2.0 U	46.3	1.2	6.8	
	9/23/2015	10.0 U	29.7	10.0 U	697	10.0 U	295	20.0 U	32.3	10.0 U	14.2	
	1/7/2016	5.0 U	33.4	9.7	800	5.0 U	398	10.0 U	5.0 U	5.0 U	6.1	
	3/23/2016	5.0 U	24.5	8.0	676	5.0 U	302	10.0 U	26.2	5.0 U	5.0	
	7/19/2016	10.0 U	39.3	10.2	1,090	4.9 J	367	14.3 J	37.0	10.0 U	6.5 J	
	9/9/2016	5.0 U	27.9	6.4	661	5.0 U	241	12.0	25.0	5.0 U	5.0 U	
	12/8/2016	1.0 U	6.7	1.5	171	1.0 U	13.6	2.0 U	6.9	1.0 U	1.0 U	
	2/21/2017	1.0 U	7.2	1.7	194	1.0 U	69.1	2.0 U	7.0	1.0 U	1.2	
	5/2/2017	2.0 U	6.5	2.0 U	174	2.0 U	61.0	4.0 U	5.0	2.0 U	2.0 U	
	8/31/2017	2.0 U	7.4	1.7	193	2.0 U	57.9	4.0 U	6.9	2.0 U	2.0 U	
	11/14/2017	2.0 U	5.1	1.3	151	0.6 J	58.5	5.0 U	6.4	1.0 U	1.1	
	2/13/2018	2.0 U	6.3	2.0 U	154	2.0 U	67.1	5.0 U	6.4	1.0 U	1.0 U	
	5/30/2018	2.0 U	5.0	1.4	144	2.0 U	53.9	5.0 U	5.3	1.0 U	1.0 U	
	11/8/2018	2.0 U	4.4	1.1	109	2.0 U	40.2	5.0 U	1.0 U	1.0 U	1.0 U	
	5/22/2019	1.0 U	3.7	1.0 U	96.2	1.0 U	38.4	5.0 U	4.2	1.0 U	1.0 U	
	11/19/2019	1.0 U	2.7	1.0 U	62.1	1.0 U	31.0	5.0 U	1.0 U	1.0 U	1.0 U	
	5/14/2020	1.0 U	3.3	1.0 U	69.1	1.0 U	32.6	5.0 U	1.0 U	1.0 U	1.0 U	
	11/23/2020	1.0 U	3.3	1.0 U	76.0	1.0 U	32.4	5.0 U	4.9	1.0 U	1.0 U	
	5/10/2021	1.0 U	3.0	1.0 U	50.8	1.0 U	30.2	5.0 U	3.1	1.0 U	1.0 U	
	12/27/2021	1.0 U	3.0	1.0 U	45.5	1.0 U	29.1	5.0 U	3.3	1.0 U	1.0 U	
	6/27/2022	1.0 U	4.2	1.0 U	65.6	1.0 U	15.6	1.0 U	5.0	1.0 U	1.0 U	
	11/21/2022	1.0 U	5.5	1.0 U	80.2	1.0 U	16.1	1.0 U	5.6	1.0 U	1.0 U	
	Duplicate	11/21/2022	1.0 U	5.3	1.0 U	76.2	1.0 U	19.1	1.0 U	5.6	1.0 U	1.0 U
	5/22/2023	1.0 U	4.3	1.0 U	52.0	1.0 U	21.3	1.0 U	4.5	1.0 U	1.0 U	
	Duplicate	5/22/2023	1.0 U	5.0	1.0 U	60.0	1.0 U	21.0	1.0 U	5.2	1.0 U	1.0 U
	12/4/2023	10.0 U	6.9	1.1	110	1.0 U	28.4	1.0 U	6.2	1.0 U	1.0 U	
	Duplicate	12/4/2023	10.0 U	5.9	1.0 U	100	1.0 U	23.7	1.0 U	5.6	1.0 U	1.0 U
	5/20/2024	1.0 U	7.2	1.4	123	1.0 U	16.4	1.0 U	6.8	1.0 U	1.0 U	
	Duplicate	5/20/2024	1.0 U	5.0	1.2	104	1.0 U	14.7	1.0 U	5.8	1.0 U	1.0 U
11/26/2024	1.0 U	6.8	1.0	91.5	1.0 U	21.4	1.0 U	6.1	1.0 U	1.0 U		
Duplicate	11/26/2024	1.0 U	6.7	1.1	88.9	1.0 U	23.6	1.0 U	5.8	1.0 U	1.0 U	
6/16/2025	1.0 U	7.9	1.0 U	90.8	1.0 U	19.8	1.0 U	6.1	1.0 U	1.0 U		
Duplicate	6/16/2025	1.0 U	8.4	1.1	95.5	1.0 U	20.5	1.0 U	6.4	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-25D-192	3/19/2015	1.0 U	11.7	1.0 U	53.0	1.0 U	49.4	2.0 U	13.7	1.0 U	1.0 U
	6/25/2015	1.0 U	11.9	1.0 U	59.4	1.0 U	39.8	2.0 U	14.2	1.0 U	1.0 U
	9/22/2015	1.0 U	13.9	1.0 U	51.4	1.0 U	45.0	2.0 U	12.9	1.0 U	1.3
	1/7/2016	1.0 U	11.7	1.0 U	47.2	1.0 U	41.7	2.0 U	12.5	1.0 U	1.0 U
	3/23/2016	1.0 U	10.3	1.0 U	43.3	1.0 U	42.2	2.0 U	11.3	1.0 U	1.0 U
	7/20/2016	1.0 U	11.7	0.73 J	54.9	1.0 U	54.4	2.0 U	11.1	1.0 U	1.0 U
	9/8/2016	1.0 U	12.9	1.0 U	56.8	1.0 U	39.3	2.0 U	12.6	1.0 U	1.0 U
	12/8/2016	1.0 U	16.1	1.0 U	64.6	1.0 U	51.3	2.0 U	13.3	1.0 U	1.0 U
	2/21/2017	1.0 U	14.0	1.0 U	63.3	1.0 U	52.1	2.0 U	11.6	1.0 U	1.0 U
	5/2/2017	1.0 U	16.9	1.0 U	81.0	1.0 U	53.1	2.0 U	13.5	1.0 U	1.0 U
	8/31/2017	1.0 U	15.7	1.0 U	62.5	1.0 U	44.3	2.0 U	13.1	1.0 U	1.0 U
	11/14/2017	5.0 U	13.6	0.67 J	67.2	1.0 U	56.7	5.0 U	13.6	1.0 U	1.0 U
	2/13/2018	5.0 U	13.7	1.0 U	69.2	1.0 U	42.7	5.0 U	11.0	1.0 U	1.0 U
	5/30/2018	5.0 U	10.8	1.0 U	58.3	1.0 U	50.8	5.0 U	7.2	1.0 U	1.0 U
	11/8/2018	5.0 U	13.7	1.0 U	61.0	1.0 U	49.3	5.0 U	9.8	1.0 U	1.0 U
	5/22/2019	1.0 U	11.8	1.0 U	51.7	1.0 U	36.7	5.0 U	8.5	1.0 U	1.0 U
	11/19/2019	1.0 U	12.6	1.0 U	53.2	1.0 U	41.1	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	12.8	1.0 U	58.0	1.0 U	41.1	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	11.3	1.0 U	46.9	1.0 U	41.5	5.0 U	5.8	1.0 U	1.0 U
	5/10/2021	1.0 U	6.5	1.0 U	28.3	1.0 U	22.6	5.0 U	3.2	1.0 U	1.0 U
	12/27/2021	1.0 U	6.2	1.0 U	26.0	1.0 U	21.6	5.0 U	3.4	1.0 U	1.0 U
	6/27/2022	1.0 U	8.8	1.0 U	37.3	1.0 U	11.6	1.0 U	4.7	1.0 U	1.0 U
	11/21/2022	1.0 U	7.3	1.0 U	29.1	1.0 U	10.2	1.0 U	3.7	1.0 U	1.0 U
	5/22/2023	1.0 U	7.1	1.0 U	30.1	1.0 U	9.0	1.0 U	3.6	1.0 U	1.0 U
	12/4/2023	1.0 U	8.4	1.0 U	36.5	1.0 U	9.4	1.0 U	3.9	1.0 U	1.0 U
5/20/2024	1.0 U	5.0	1.0 U	19.5	1.0 U	6.4	1.0 U	2.5	1.0 U	1.0 U	
12/16/2024	1.0 U	4.9	1.0 U	20.4	1.0 U	6.8	1.0 U	2.1	1.0 U	1.0 U	
6/16/2025	1.0 U	5.6	1.0 U	24.2	1.0 U	6.8	1.0 U	2.3	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-28D	3/17/2015	1.0 U	1.0 U	1.0 U	10.6	1.0 U	5.0	2.0 U	1.0 U	1.0 U	1.0 U
	6/23/2015	1.0 U	1.0 U	1.0 U	12.8	1.0 U	4.5	2.0 U	1.0 U	1.0 U	1.0 U
	9/22/2015	1.0 U	1.0 U	1.0 U	14.3	1.0 U	4.4	2.0 U	1.0 U	1.0 U	1.0 U
	1/5/2016	1.0 U	1.0 U	1.0 U	11.5	1.0 U	5.5	2.0 U	1.0 U	1.0 U	1.0 U
	3/23/2016	1.0 U	1.0 U	1.0 U	9.1	1.0 U	4.0	2.0 U	1.0 U	1.0 U	1.0 U
	7/19/2016	1.0 U	1.0 U	0.25 J	10.1	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/7/2016	1.0 U	1.0 U	1.0 U	12.0	1.0 U	5.0	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	6.3	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	4.6	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	5.8	1.0 U	2.7	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	5.0	1.0 U	2.7	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	5.5	1.0 U	3.5	5.0 U	1.0 U	1.0 U	1.0 U
	2/14/2018	5.0 U	1.0 U	1.0 U	4.3	1.0 U	2.8	5.0 U	1.0 U	1.0 U	1.0 U
	5/30/2018	5.0 U	1.0 U	1.0 U	6.1	1.0 U	2.4	5.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	6.9	1.0 U	2.3	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	5.2	1.0 U	3.5	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	6.1	1.0 U	3.9	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	4.0	1.0 U	3.4	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	7.6	1.0 U	4.2	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	10.0	1.0 U	4.3	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	8.1	1.0 U	5.1	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	4.0	1.0 U	2.1	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	6.2	1.0 U	3.1	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	8.3	1.0 U	1.8	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	13.3	1.0 U	3.8	1.0 U	1.0 U	1.0 U	1.0 U
5/20/2024	1.0 U	1.0 U	1.0 U	13.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
11/11/2024	1.0 U	1.0 U	1.0 U	12.2	1.0 U	4.6	1.0 U	1.0 U	1.0 U	1.0 U	
6/16/2025	1.0 U	1.0 U	1.0 U	17.9	1.0 U	4.3	1.0 U	1.0 U	1.0 U	1.0 U	
MW-29D	5/21/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	2/19/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.5 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.3 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-30D-273	5/31/2018	5.0 U	1.0 U	1.0 U	27.4	1.0 U	16.4	5.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	5.0 U	1.0	1.0 U	40.7	1.0 U	24.5	5.0 U	1.7	1.0 U	1.0 U
	11/8/2018	5.0 U	1.2	1.0 U	44.0	1.0 U	22.2	5.0 U	2.1	1.0 U	1.0 U
	2/19/2019	1.0 U	1.1	1.0 U	47.2	1.0 U	23.1	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.1	1.0 U	44.2	1.0 U	22.7	5.0 U	2.0	1.0 U	1.0 U
	11/20/2019	1.0 U	1.1	1.0 U	43.3	1.0 U	22.8	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0	1.0 U	42.7	1.0 U	20.9	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0	1.0 U	39.5	1.0 U	19.5	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0	1.0 U	36.9	1.0 U	18.2	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0	1.0 U	34.1	1.0 U	16.6	5.0 U	1.4	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	34.5	1.0 U	7.5	1.0 U	1.3	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	31.3	1.0 U	7.0	1.0 U	1.2	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	35.1	1.0 U	8.0	1.0 U	1.4	1.0 U	1.0 U
	12/4/2023	1.0 U	1.3	1.0 U	51.0	1.0 U	9.6	1.0 U	1.7	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	30.6	1.0 U	7.1	1.0 U	1.3	1.0 U	1.0 U
	11/11/2024	1.0 U	1.3	1.0 U	50.7	1.0 U	11.7	1.0 U	1.7	1.0 U	1.0 U
	6/16/2025	1.0 U	2.0	1.0 U	77.2	1.0 U	16.6	1.0 U	2.4	1.0 U	1.0 U
MW-31D	3/17/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	6/24/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/22/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	1/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	3/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	7/19/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	2/14/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/31/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/2/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U	
6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-31D (continued)	11/21/2022	1.0 U	1.0 U	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/12/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/26/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-32D	5/31/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	2/19/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.2 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.7 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	5/20/2024	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-33D-235	3/18/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	6/23/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/21/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	1/4/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	3/21/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	3.0	2.0 U	1.0 U	1.0 U	1.0 U
	7/18/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/7/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.3	12.0	1.0 U	1.0 U	1.0 U
	2/13/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/31/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.1 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-33D-295	3/18/2015	1.0 U	1.0 U	1.0 U	4.6	1.0 U	8.0	2.0 U	1.0 U	1.0 U	1.0 U
	6/23/2015	1.0 U	1.0 U	1.0 U	3.3	1.0 U	6.8	2.0 U	1.0 U	1.0 U	1.0 U
	9/21/2015	1.0 U	1.0 U	1.0 U	4.8	1.0 U	6.8	2.0 U	1.0 U	1.0 U	1.0 U
	1/4/2016	1.0 U	1.0 U	1.0 U	3.7	1.0 U	7.6	2.0 U	1.0 U	1.0 U	1.0 U
	3/21/2016	1.0 U	1.0 U	1.0 U	3.9	1.0 U	7.8	2.0 U	1.0 U	1.0 U	1.0 U
	7/18/2016	1.0 U	1.0 U	0.36 J	3.2	1.0 U	5.1	2.0 U	1.0 U	1.0 U	1.0 U
	9/7/2016	1.0 U	1.0 U	1.0 U	3.8	1.0 U	7.4	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	5.4	1.0 U	7.4	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	4.0	1.0 U	6.8	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	5.3	1.0 U	7.4	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	5.6	1.0 U	6.3	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	3.4	1.0 U	9.7	11.5	0.49 J	1.0 U	1.0 U
	2/13/2018	5.0 U	1.0 U	1.0 U	4.6	1.0 U	6.9	2.0 U	0.49 J	1.0 U	1.0 U
	5/31/2018	5.0 U	1.0 U	1.0 U	4.6	1.0 U	6.9	2.0 U	0.49 J	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	4.2	1.0 U	6.1	2.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	4.5	1.0 U	6.1	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	3.7	1.0 U	6.3	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	4.4	1.0 U	6.0	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	3.6	1.0 U	6.0	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	4.4	1.0 U	5.6	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	4.2	1.0 U	6.1	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	5.1	1.0 U	3.0	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	6.0	1.0 U	3.1	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	6.8	1.0 U	2.2	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	8.9	1.0 U	3.3	1.0 U	1.0 U	1.0 U	1.0 U
5/20/2024	1.0 U	1.0 U	1.0 U	6.7	1.0 U	3.6	1.0 U	1.0 U	1.0 U	1.0 U	
11/11/2024	1.0 U	1.0 U	1.0 U	9.2	1.0 U	3.9	1.0 U	1.0 U	1.0 U	1.0 U	
6/16/2025	1.0 U	1.0 U	1.0 U	10.3	1.0 U	3.4	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-34D	5/31/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/19/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.50 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.3	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	1.0 U	5.0 U	5.0 U	5.0 U	5.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-35D	3/18/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	6/22/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/21/2015	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	1/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	4/15/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	7/18/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	9/6/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	12/8/2016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/21/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/2/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/31/2017	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/14/2017	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	2/14/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/31/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	5.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.16 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
6/15/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

**Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-46D	5/30/2018	1.0 U	13.7	1.0 U	29.4	1.0 U	73.5	2.0 U	1.2	1.0 U	1.0 U
	11/7/2018	1.0 U	22.1	1.2	99.6	1.0 U	96.7	2.0 U	7.7	1.0 U	1.0 U
	5/21/2019	1.0 U	26.1	1.0	125	1.0 U	88.0	5.0 U	10.2	1.0 U	1.0 U
	11/19/2019	1.0 U	23.4	1.4	114	1.0	96.3	5.0 U	1.0 U	1.0 U	1.0 U
	5/12/2020	1.0 U	20.7	1.4	98	1.0	63.0	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	18.4	1.0 U	124	1.0 U	29.8	5.0 U	6.4	1.0 U	1.0 U
	5/9/2021	1.0 U	25.7	1.5	116	1.0 U	99.3	5.0 U	7.8	1.0 U	1.0 U
	11/15/2021	1.0 U	19.9	1.0 U	87	1.0 U	79.9	5.0 U	4.8	1.0 U	1.0 U
	6/27/2022	1.0 U	20.7	1.0 U	92	1.0 U	23.4	5.0 U	5.7	1.0 U	1.0 U
	11/21/2022	1.0 U	15.7	1.0 U	74.9	1.0 U	40.1	1.0 U	3.6	1.0 U	1.0 U
	5/21/2023	1.0 U	1.2	1.0 U	19.2	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	8.7	1.0 U	51.5	1.0 U	27.3	1.0 U	1.6	1.0 U	1.0 U
	6/12/2024	1.0 U	16.4	1.0 U	65.9	1.0 U	30.2	1.0 U	2.4	1.0 U	1.0 U
	11/10/2024	1.0 U	7.4	1.0 U	36.5	1.0 U	26.8	1.0 U	1.2	1.0 U	1.0 U
	6/15/2025	1.0 U	1.7	1.0 U	10.7	1.0 U	16.8	1.0 U	1.0 U	1.0 U	1.0 U
Confined Patuxent Wells											
MW-30D-413	5/31/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/19/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.10 U	1.0 U	1.0 U	1.0 U	1.0 U	

Table B-1

**Historical Offsite Groundwater Sampling Results (2015 to June 2025)
Former Kop-Flex Facility Site
Hanover, Maryland**

Well ID	Sample Date	Chloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	1,4-Dioxane	Methylene Chloride	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene
Groundwater Quality Standard (µg/L)		NE	2.8 (1)	5	7	70	4.6	5	200	5	5
MW-30D-413 (continued)	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.4 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U
	6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U	1.0 U	1.0 U	1.0 U	1.0 U
MW-36D	5/30/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	8/23/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	11/8/2018	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	2/19/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	2.0 U	1.0 U	1.0 U	1.0 U
	5/22/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/20/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/14/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/23/2020	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	5/10/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	11/15/2021	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	2.0 U	5.0 U	1.0 U	1.0 U	1.0 U
	6/27/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	0.17 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/21/2022	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/22/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	12/4/2023	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.5 U	1.0 U	1.0 U	1.0 U	1.0 U
	5/20/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	11/11/2024	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
6/16/2025	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	

(1) MDE GW Quality Standard changed from 90 µg/L to 2.8 µg/L in October 2018
a/ U = not detected above the method detection limit; J = estimated concentration between the reporting limit and method detection limit.
Bolded values indicate an exceedence of the Groundwater Quality Standards
Dashed line marks change from quarterly to semi-annual sampling frequency at the well.
All sample concentrations in micrograms per liter (µg/l)
NS = well not sampled
b/ Wells screened in this portion of the Lower Patapsco aquifer were removed from the monitoring program after the May 2018 sampling event.
c/ Well decommissioned in August 2019