VIA ELECTRONIC MAIL (Jahan.Reza@dec.ny.gov)

November 11, 2024

Jahan Reza, P.E.
Project Manager, Division of Environmental Remediation
NYSDEC, Region 1
50 Circle Road
Stony Brook, NY 11790

Subject: **2024 Annual Groundwater Monitoring Results - OU-2 Off-Site**
Former New York Twist Drill (NYTD), Melville, NY
Site No.: 152169

Dear Mr. Reza:

WSP USA, Inc. (WSP) has prepared this letter to provide you with the results of the groundwater monitoring conducted by WSP in August 2024 at the Operable Unit 2 (OU-2) Off-Site Area of the former New York Twist Drill (NYTD) site in Melville, New York.

The groundwater monitoring at the OU-2 Off-site Area is being conducted as per the 2016 Site Management Plan (SMP), with Addendum #1 dated May 22, 2024, and approved by the New York State Department of Environmental Conservation (NYSDEC) on October 29, 2024.

Off-site activities at the OU-2 Off-Site Area are being conducted by Drico Corporation, Mark and Jeffery Hammer, and Suzanne Eliot in compliance with Order on Consent Index # W1-0998-04-04, Site #1-52-169, which was executed on November 16, 2004, under the State Superfund Program. A Record of Decision (ROD) from January 15, 2015, stated *"No Further Action"* required for remedy of groundwater and vapor monitoring in the OU-2 Off-Site Area. The ROD requires evaluation of the OU-1 site remediation performance on OU-2 Off-Site conditions. The SMP previously prepared and referenced above satisfies the requirements of the ROD.

OU-2 OFF-SITE GROUNDWATER MONITORING – AUGUST 2024

Groundwater Monitoring was performed on the wells identified in the SMP to monitor upgradient and downgradient groundwater conditions. **Figure 1** depicts the OU-2 Off-Site boundary map to the South of the Former NYTD Site, and the existing groundwater monitoring wells.

On August 6, 2024, the following twelve (12) monitoring wells were gauged, and passive diffusion bags (PDBs) were deployed for approximately two (2) weeks:

- ERM-MW-01, ERM-MW-02, ERM-MW-2D, ERM-MW-05, ERM-MW-09, ERM-MW-11S, ERM-MW-11M, ERM-MW-11D, ERM-MW-12M, ERM-MW-13S, ERM-MW-13D, and ERM-MW-14D.
- One additional PDB was also deployed in the ERM-MW-11M for a "Duplicate" sample (ERM-MW-11M-D), in addition one (1) Equipment Blank (EB-1-DWG-20240820) and one (1) Trip Blank (TB-

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DWG-20240820). These additional samples were collected for the purpose of Quality Assurance/ Quality Control (QA/QC).

On August 20, 2024, PDBs from all the twelve (12) monitoring wells were retrieved and groundwater samples were collected in 40 mL vials provided by the analytical laboratory.

Groundwater samples were analyzed for TCL VOCs by the National Environmental Laboratory Approval Program (NELAP) certified (#10670) analytical laboratory Eurofins Lancaster Laboratories, Lancaster, PA.

GROUNDWATER ELEVATION DATA (2021 - 2024)

Table 1 provides a summary of the groundwater elevation data based on the monitoring wells gauging conducted in 2021 through 2024.

GROUNDWATER MONITORING RESULTS (AUGUST 2024)

Table 2 provides a summary of the groundwater sampling results for TCL VOCs for samples collected on August 20th, 2024. The results were compared with the New York State (NYS) Ambient Water Quality Standards (AWQS) and Guidance Values (GV), and any exceedances are shown in bold and highlighted.

Table 3 also provides a historical summary of groundwater sampling results from 2017 to 2024 for only Chlorinated VOCs (CVOCs) exceedances of the NYS AWQS & GV.

Figure 2 depicts these historical summary results of CVOCs exceedances on the OU-2 Off-Site boundary map.

WSP's Chemist Eridania Marte performed laboratory data validation for the following SDGs under the NYSDEC ASP Category B guidelines: 410-185079 (August 20, 2024, Samples).

Enclosure A includes a copy of the Data Usability Summary Report (DUSR) dated November 5, 2024. **Enclosure B** includes the laboratory data SDGs (410-185079).

The August 2024 groundwater monitoring results indicated that CVOCs concentrations detected were generally consistent with the previous groundwater monitoring results from August 2023, except for slightly higher concentrations detected at ERM-MW-11S and ERM-MW-13D. However, slightly lower concentrations were detected at ERM-MW-11D as compared with concentrations detected in August 2023.

WELL INSTALLATION REPORTING

On September 11, 2024, WSP submitted a Freedom of Information Law (FOIL) request to NYSDEC via email for annual well installation records review, as per the SMP requirement. The review focused on the OU-2 Off-Site Area to determine if any new air conditioning, monitoring or diffusion wells were installed.

On October 7, 2024, in response to the FOIL request, NYSDEC provided completion report, which indicated the installation of three (3) new wells within the OU-2 Off-Site boundary, with two (2) of the wells identified as "geothermal diffusion" and one (1) of the wells identified as "geothermal – ac only."

The October 7, 2024, FOIL request results with the new wells installation records provided by NYSDEC, with message history including WSP's FOIL request submitted on September 11, 2024, can be found in **Enclosure C**.

PLANNED FUTURE ACTIVITIES

As per the SMP requirements, annual groundwater monitoring will be continued for the OU-2 Off-Site in 2025 and results summary will be provided to NYSDEC via email. The next Periodic Review Report (PRR) will be submitted in 2026.

We appreciate the opportunity to present this information to NYSDEC. Please contact me at Ajay.Kathuria@wsp.com or (862) 217-2146 for any questions, clarifications, or need for additional information.

Kind regards,

Ajay Kathuria, PE, LSRP

Project Manager

Encl. (Tables, Figures, Enclosures A, B, and C)

Cc : Lisa M. Bromberg, Esq., Porzio, Bromberg & Newman, P.C.
Frederick Eisenbud, Of Counsel, Campolo, Middleton & McCormick, LLP

TABLES

Table 1
Groundwater Elevation Data Summary - 2021, 2022, 2023, 2024
New York Twist Drill (NYTD) Facility (OU-2 Off-Site), Melville, New York

											May 28th, 2021		October 27th, 2022		August 8th, 2023		August 6th, 2024		
Well ID	Vertical Profile	TOC elevation (ft amsl)	North	East	Lat	Long	Well Diameter (inches)	Depth	Screened Interval (ft bgs)	Screen Midpoint (ft bgs)	Depth to Water (ft bgs)	Water Table Elevation (ft amsl)	Depth to Water (ft bgs)	Water Table Elevation (ft amsl)	Depth to Water (ft bgs)	Water Table Elevation (ft amsl)	Depth to Water (ft bgs)	Water Table Elevation (ft amsl)	Comments
ERM-MW-01	VP-01	116.21	222586.1	1145783	40.77615	-73.4168	2	60.8	55.5 - 60.5	58	46.49	69.72	49.4	66.81	50.33	-50.33	46.37	69.84	
ERM-MW-02	VP-02	116.05	222593.8	1145860	40.77617	-73.4165	2	91.6	90.5 - 95.5	93.2	46.78	69.27	49.38	66.67	50.4	-50.4	46.28	69.77	
ERM-MW-02D	VP-02	115.96	222592.5	1145853	40.77616	-73.4165	2	173.6	165.5 - 170.5	168	46.74	69.22	49.32	66.64	50.26	-50.26	46.2	69.76	
ERM-MW-03		109.51	220430.4	1146261	40.77022	-73.4151	1	60	55 - 60	57.5	NM	NM	NM	NM	NM	NM	NM	NM	Paved Over
ERM-MW-05	VP-03	115.91	222180.7	1146083	40.77503	-73.4157	2	151.5	145 - 150	147.5	47.16	68.75	49.87	66.04	51.2	-51.2	46.79	69.12	
ERM-MW-06	VP-04	116.41	222169.9	1146012	40.775	-73.416	2	101.5	95 - 100	97.5	47.47	68.94	NM	NM	NM	NM	NM	NM	
ERM-MW-07	VP-05	109.15	220822.3	1146698	40.77129	-73.4135	1	67.7	50 - 60	55	41.92	67.23	NM	NM	NM	NM	NM	NM	
ERM-MW-07D	VP-05	109.03	220822.2	1146699	40.77129	-73.4135	2	290	280 - 290	285	42.63	66.4	NM	NM	NM	NM	NM	NM	
ERM-MW-08	VP-06	108.9	220656.9	1146658	40.77084	-73.4137	2	296	285 - 295	290	NM	NM	NM	NM	NM	NM	NM	NM	Not able to locate; Paved over
ERM-MW-09	VP-07	114.84	221168	1146282	40.77225	-73.415	2	175.4	165 - 175	170	47.5	67.34	50.1	64.74	51.11	-51.11	46.82	68.02	
ERM-MW-10	VP-08	109.94	220434.6	1146256	40.77023	-73.4151	1	235	225 - 235	230	NM	NM	NM	NM	NM	NM	NM	NM	Paved Over
ERM-MW-11S	VP-08	108.07	220120.5	1146521	40.76937	-73.4142	2	194	185 - 195	190	41.98	66.09	44.69	63.38	45.57	-45.57	41.14	66.93	
ERM-MW-11M	VP-08	108.06	220120.3	1146521	40.76937	-73.4142	2	245	235 - 245	240	42.35	65.71	45.25	62.81	45.78	-45.78	41.61	66.45	
ERM-MW-11D	VP-08	107.7	220103.5	1146515	40.76932	-73.4142	2	295	285 - 295	290	42.06	65.64	45.06	62.64	45.46	-45.46	41.42	66.28	
ERM-MW-12S	VP-09	103.84	218395.1	1147035	40.76462	-73.4123	1	100	90 - 100	95	39.27	64.57	NM	NM	NM	NM	NM	NM	
ERM-MW-12M	VP-09	103.81	218395	1147035	40.76462	-73.4123	2	238	228 - 238	233	39.48	64.33	42.26	61.55	43.11	-43.11	38.79	65.02	
ERM-MW-13S	VP-10	102.74	218196.2	1146777	40.76408	-73.4133	2	195	185 - 195	190	38.32	64.42	39.87	62.87	41.68	-41.68	37.29	65.45	
ERM-MW-13D	VP-10	102.75	218196.3	1146777	40.76408	-73.4133	2	295	285 - 295	290	38.72	64.03	41.41	61.34	43.3	-43.3	37.94	64.81	
ERM-MW-14S	VP-11	99.76	218051.9	1146262	40.76369	-73.4151	1	55	45 - 55	50	35.27	64.49	NM	NM	NM	NM	NM	NM	
ERM-MW-14D	VP-11	99.76	218052.9	1146262	40.7637	-73.4151	2	355	345 - 355	350	35.8	63.96	38.52	61.24	39.46	-39.46	35.15	64.61	

Notes:
bgs = below ground surface
amsl = above mean sea level
NM = Not Measured

Table 2 Groundwater Sampling Results Summary (2024)
New York Twist Drill (NYTD) Facility (OU-2 Off-Site), Melville, New York

Location ID	NYS AWQS & GV (ug/l)	ERM-MW-01	ERM-MW-02	ERM-MW-02D	ERM-MW-05	ERM-MW-09	ERM-MW-11S	ERM-MW-11D	ERM-MW-11M	ERM-MW-11M-D	ERM-MW-12M	ERM-MW-13S	ERM-MW-13D	ERM-MW-14D	Equipment Blank	Trip Blank
Lab Sample ID		410-185079-2	410-185079-3	410-185079-4	410-185079-5	410-185079-6	410-185079-7	410-185079-9	410-185079-8	410-185079-9	410-185079-10	410-185079-11	410-185079-12	410-185079-13	410-185079-14	410-185079-15
Date Sampled		08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024	08/20/2024
Start Depth - End Depth (ft)		55.5 - 60.5	90.5 - 95.5	165.5 - 170.5	145 -150	165 - 175	185 -195	285 - 295	235 - 245	235 - 245	228 - 238	185 - 195	285 - 295	345 - 355	N/A	N/A
Volatile Organic Compounds by Method 8260D (ug/l)																
1,1,1-Trichloroethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**0.60 J**	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2,2-Tetrachloroethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichloroethane	1.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**0.62 J**	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1,2-Trichlorotrifluoroethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,1-Dichloroethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	**0.40 J**	**0.70 J**	**4.1**	0.30 U	0.30 U	**0.33 J**	**2.1**	**1.8**	0.30 U	0.30 U	0.30 U
1,1-Dichloroethene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**0.34 J**	**2.4**	0.30 U	0.30 U	**1.5**	**3.5**	**3.3**	**0.49 J**	0.30 U	0.30 U
1,2-Dibromo-3-Chloropropane	0.040	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,2-Dibromoethane (EDB)	0.00060	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichlorobenzene	3.0	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
1,2-Dichloroethane	0.60	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,2-Dichloropropane	1.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
1,3-Dichlorobenzene	3.0	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U	0.68 U
1,4-Dichlorobenzene	3.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
2-Hexanone	50	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ	0.85 UJ
Acetone	50	**27 J**	**9.2 J**	**9.8 J**	**10 J**	**11 J**	**44 J**	**12 J**	**11 J**	**11 J**	**9.8 J**	**9.4 J**	**14 J**	**11 J**	0.70 UJ	**0.78 J**
Benzene	1.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Bromochloromethane	5.0	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromodichloromethane	50	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Bromoform	50	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Carbon Disulfide	60	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	0.30 UJ	**0.35 J**
Carbon Tetrachloride	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Chlorobenzene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Chlorodibromomethane	50	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Chloroform	7.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	**2.0**	0.30 U
cis-1,2 Dichloroethene	5.0	0.30 U	**4.0**	0.30 U	**0.66 J**	**4.2**	**33**	**44**	**7.0**	**6.9**	**2.0**	**14**	**16**	**1.4**	0.30 U	0.30 U
cis-1,3-Dichloropropene	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Cumene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Cyclohexane	--	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	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Ethyl Chloride	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Ethylbenzene	5.0	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
meta- and para-Xylene	--	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Methyl Acetate	--	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Methyl Bromide	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Methyl Chloride	5.0	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U	0.55 U
Methyl Ethyl Ketone	50	**16 EMPC**	**16 EMPC**	**18 EMPC**	**17 EMPC**	**16 EMPC**	**14 EMPC**	**19 EMPC**	**17 EMPC**	**19 EMPC**	**17 EMPC**	**16 EMPC**	**17 EMPC**	**16 EMPC**	0.50 U	0.50 U
Methyl Isobutyl Ketone	--	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ	0.50 UJ
Methyl Tertiary Butyl Ether	10	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Methylene Chloride	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
ortho-Xylene	5.0	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
Styrene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Tetrachloroethene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	**1.1**	**82**	**87**	**22**	**18**	**5.4**	**28**	**44**	**14**	0.30 U	0.30 U
Toluene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
trans-1,2-Dichloroethene	5.0	0.70 U	0.70 U	0.70 U	0.70 U	**1.3 J**	0.70 U	**0.87 J**	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U	0.70 U
trans-1,3-Dichloropropene	--	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
Trichloroethene	5.0	0.30 U	0.30 U	0.30 U	0.30 U	**1.0**	**52**	**54**	**8.0**	**8.0**	**4.5**	**24**	**28**	**8.5**	0.30 U	0.30 U
Trichlorofluoromethane	5.0	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Vinyl Chloride	2.0	0.30 U	**2.0**	0.30 U	0.30 U	**1.2**	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U	0.30 U
Xylenes	5.0	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U	0.40 U
1,4-Dioxane	--	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U	29 U
Methyl Cyclohexane	--	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U

Notes:

U = compound not detected at or above the method detection limit
UJ = compound not detected at or above the method detection limit, considered estimated
J = estimated concentration below reporting limit
EMPC = estimated maximum possible concentration
NYS AWQS & GV = New York State Ambient Water Quality Standards & Guidance Values
"-D" = field duplicate sample
µg/l = micrograms per liter

Detected results are bolded
Results exceed NYS AWQS & GV

Table 3
Historical Groundwater Sampling Results Summary - 2017 to 2024 (CVOCs Only)

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Notes
NYS AWQS & GV (µg/l):		5	5	5	5	2	
Well ID	Date						
ERM-MW-01	04/24/17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	05/01/18	1.0 U	1.0 U	**15**	1.0 U	1.0 U	
	9/1/2019	1.0 U	1.0 U	**103**	0.82 J	**5.7**	(d)
	04/06/20	1.0 U	1.0 U	**47.2**	0.65	1.4	
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	10/27/22	0.56 U	0.53 U	0.71 J	0.54 U	0.52 U	
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U	
	08/20/24	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	
ERM-MW-02	9/1/2019	1.0 U	1.0 U	1.0 U	2.2	1.0 U	(d)
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	06/11/21	1.0 U	1.0 U	3.6	1.0 U	1.2	
	10/27/22	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U	
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U	
	08/20/24	0.3 U	0.3 U	4	0.7 U	2	
ERM-MW-02D	04/24/17	1.0 U	1.0 U	1.1	1.0 U	0.40 J	
	05/01/18	1.0 U	1.0 U	0.54 J	1.0 U	1.0 U	
	9/1/2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	(d)
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	10/27/22	0.56 U	0.53 U	0.55 J	0.54 U	0.52 U	
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U	
	08/20/24	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U	
ERM-MW-05	04/24/17	1.0 U	2	**37.9**	**7.3**	**8.8**	
	05/01/18	3	**5.6**	**83.6**	**6.7**	**34.9**	
	9/1/2019	1	**5.1**	**48.6**	**8**	**15**	(d)
	04/06/20	1.0 U	1.0 U	2.3	1.0 U	1.0 U	
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	10/27/22	0.56 U	2.6	**19.9**	**12.1**	**3.3**	
	08/08/23	0.56 U	0.53 U	3.2	0.54 U	0.52 U	
	08/20/24	0.3 U	0.3 U	0.66 J	0.7 U	0.3 U	
ERM-MW-09	04/24/17	**21.9**	**17.9**	**33.4**	0.58 J	1.0 U	
	05/01/18	**10.4**	**9.9**	**16.9**	1.0 U	1.0 U	
	9/1/2019	**8**	4.6	**40.3**	3.2	1.3	(d)
	04/06/20	**6.2**	4.1	**36.9**	**5.1**	1	
	06/11/21	1.5	2.4	**32.9**	**6.2**	**3.9**	
	10/27/22	1	1.8	**27.1**	4.2	**5.2**	
	08/08/23	0.9 J	0.91 J	**12.7**	1.6	**2.3**	
	08/20/24	1.1	1	4.2	1.3 J	1.2	
ERM-MW-11S	04/24/17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	
	05/01/18	NA	NA	NA	NA	NA	
	9/1/2019						(a)
	04/06/20	**19.4**	**17.7**	**23**	1.0 U	1.0 U	
	07/14/21	**31.0**	**24.1**	**15.9**	1.0 U	1.0 U	
	10/27/22	**22.4**	**16.9**	**11.6**	0.54 U	0.52 U	
	08/08/23	**18.5**	**13.2**	**10.1**	0.54 U	0.52 U	
	08/20/24	**82**	**52**	**33**	0.7 U	0.3 U	
ERM-MW-11M	04/24/17	**214**	**107**	**58.1**	1.3	1.0 U	
	05/01/18	**117**	**47.8**	**28.8**	0.62 J	1.0 U	
	9/1/2019	**8.9**	4.2	1.0 U	1.8	1.0 U	(d)
	04/06/20	**115**	**120**	**121**	1.9	1.0 U	
	06/11/21	**74.9**	**95.1**	**122**	1.8	1.0 U	
	10/27/22	**14.5**	**9.2**	**8.6**	0.54 U	0.52 U	
	08/08/23	**14.9**	**6.5**	**7.3**	0.54 U	0.52 U	
	08/20/24	**18**	**8**	**6.9**	0.7 U	0.3 U	
ERM-MW-11D	04/24/17	**99.3**	**70.1**	**71.7**	1.4	1.0 U	
	05/01/18	**37.2**	**30.8**	**43.4**	1	1.0 U	
	9/1/2019	**29.9**	**26.4**	**29.5**	0.57 J	1.0 U	(d)
	04/06/20	**19.4**	**17.7**	**23**	1.0 U	1.0 U	
	06/11/21	**18.8**	**22.3**	**38.1**	0.7 J	1.0 U	
	10/27/22	**83.2**	**60.8**	**48.7**	0.81 J	0.52 U	
	08/08/23	**74**	**41.3**	**39.6**	0.64 J	0.52 U	
	08/20/24	**87**	**54**	**44**	0.87 J	0.3 U	

Table 3
Historical Groundwater Sampling Results Summary - 2017 to 2024 (CVOCs Only)

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride	Notes
NYS AWQS & GV (µg/l):		5	5	5	5	2	
Well ID	Date						
ERM-MW-12S	*04/24/17*	*0.6 J*	*0.3 J*	*1.0 U*	*1.0 U*	*1.0 U*	
	05/01/18	*1.0 U*	*1.0 U*	*1.0 U*	*1.0 U*	*1.0 U*	
	04/06/20	*1.0 U*	*1.0 U*	*1.0 U*	*1.0 U*	*1.0 U*	*(b)*
ERM-MW-12M	04/24/17	**9.1**	**10.4**	2	1.0 U	1.0 U	
	05/01/18	**5.6**	**6.6**	1.3	1.0 U	1.0 U	
	9/1/2019	4.8	**5.1**	2	1.0 U	1.0 U	(d)
	04/06/20	3.3	**5.7**	1.8	1.0 U	1.0 U	
	06/11/21	4.4	**8.6**	3.5	1.0 U	1.0 U	
	10/27/22	**8.6**	**9.3**	3.9	0.54 U	0.52 U	
	08/08/23	**5.4**	4.6	2.7	0.54 U	0.52 U	
ERM-MW-13S	5/1/2019	**5.6**	**8**	3.9	1.0 U	1.0 U	(c)
	9/1/2019	4.8	**5.1**	2	1.0 U	1.0 U	(d)
	04/06/20	**9.4**	**15.8**	**10.4**	1.0 U	1.0 U	
	06/11/21	**7.3**	**15.4**	**10.9**	1.0 U	1.0 U	
	10/27/22	**28.8**	**28.6**	**17**	0.54 U	0.52 U	
	08/08/23	**22.1**	**21.7**	**15.7**	0.54 U	0.52 U	
	08/20/24	**28**	**24**	**14**	0.7 U	0.3 U	
ERM-MW-13D	5/1/2019	**14.2**	**15.4**	**5.3**	1.0 U	1.0 U	(c)
	9/1/2019	**14.4**	**21.1**	**10.9**	1.0 U	1.0 U	(d)
	04/06/20	**41.3**	**24.7**	**7.5**	1.0 U	1.0 U	
	06/11/21	**16.1**	**16.2**	**8.7**	1.0 U	1.0 U	
	10/27/22	**29**	**13.4**	**7.3**	0.54 U	0.52 U	
	08/08/23	**20.9**	**7.4**	**7.1**	0.54 U	0.52 U	
	08/20/24	**44**	**28**	**16**	0.7 U	0.3 U	
ERM-MW-14D	5/1/2019	**6.5**	**7.4**	1.4	1.0 U	1.0 U	(c)
	9/1/2019	**5.7**	**6.1**	1.4	1.0 U	1.0 U	(d)
	04/06/20	**8**	**5.3**	2.8	1.0 U	1.0 U	
	06/11/21	**6.9**	**8.4**	2.6	1.0 U	1.0 U	
	10/27/22	**16.4**	**6.3**	2.9	0.54 U	0.52 U	
	08/08/23	**13.5**	**6.5**	2	0.54 U	0.52 U	
	08/20/24	**14**	**8.5**	1.4	0.7 U	0.3 U	

Notes:

1. Abbreviations: CVOCs = chlorinated volatile organic compounds; PCE = tetrachloroethene; TCE = trichloroethene; cis-1,2-DCE = cis-1,2-dichloroethene; trans-1,2-DCE = trans-1,2-dichloroethene; µg/l = micrograms per liter; U = compound not detected at or above the method detection limit; J = estimated concentration below reporting limit; NA = not analyzed.

2. All concentrations are in units of micrograms per liter (µg/l). Only chemicals of concern are included in this table. Detected concentrations that are **bolded** and highlighted exceed the NYS AWQS & GV and NY TOGS GA GW Standards as presented in the Site Management Plan, Table 1 (ERM Consulting & Engineering, Inc. [ERM], January 20, 2016). Data from 2017-2020 from the Periodic Review Reports submitted to NYSDEC in 2017 (ERM, November 2017), 2018 (ERM, December 2018) and 2020 (ERM, December 2020).

3. NYS AWQS & GV = New York State Ambient Water Quality Standards & Guidance Values.

4. Results exceed NYS AWQS & GV

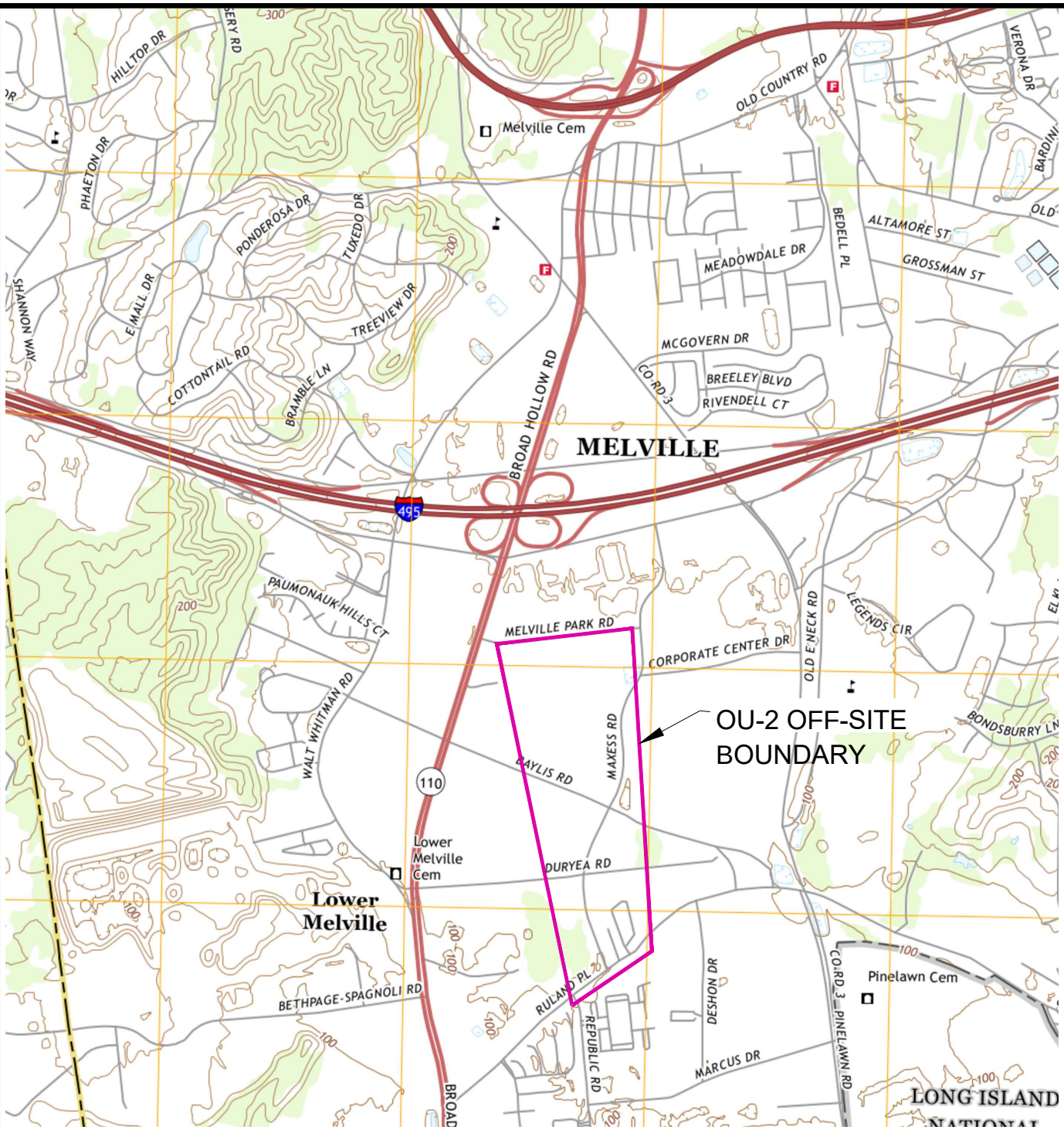
5. (a) 2019 data for ERM-MW-11S was not provided in the PRRs reviewed.

6. (b) NYSDEC approved request for removal of monitoring well MW-12Sfrom the monitoring program following the 2020 sampling event.

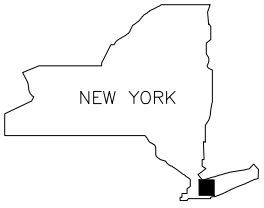
7. (c) Sample collected in May 2019 (date not provided in PRR).

8. (d) Sample collected in September 2019 (date not provided in PRR).

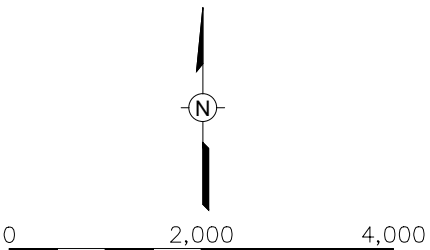
FIGURES



REFERENCE
7.5 MINUTE SERIES TOPOGRAPHIC QUADRANGLE
HUNTINGTON, NEW YORK, 2019



QUADRANGLE LOCATION



SCALE IN FEET

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

FIGURE 1

SITE LOCATION

NEW YORK TWIST DRILL SITE
MELVILLE, NEW YORK
PREPARED FOR
NEW YORK TWIST DRILL

DWG Name: 314MN4007.004-001
Checked: AK 10/17/2023
Approved:
Drawn By: LS 10/17/2023
A

Z:\Acad\CADD_CLIENTS\NEW YORK TWIST DRILL\3140400 7.004\CADD\314MN4007.004-001.dwg 10/24/2023 2:04 PM USEC01012

R:\ACAD\CADD_CLIENT\New York Twist Drill\31404007.004\CAD\314V4007.004-004.dwg 10/10/2024 10:48 AM USEC01012

B

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-01	04/24/17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	05/01/18	1.0 U	1.0 U	**15**	1.0 U	1.0 U
	2019	1.0 U	1.0 U	**103**	0.82 J	**5.7**
	04/06/20	1.0 U	1.0 U	**47.2**	0.65	1.4
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	10/27/22	0.56 U	0.53 U	0.71 U	0.54 U	0.52 U
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U
	08/20/24	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-02D	04/24/17	1.0 U	1.0 U	1.1	1.0 U	0.40 J
	05/01/18	1.0 U	1.0 U	0.54 J	1.0 U	1.0 U
	2019	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	10/27/22	0.56 U	0.53 U	0.55 U	0.54 U	0.52 U
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U
	08/20/24	0.3 U	0.3 U	0.3 U	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-12S (b)	04/24/17	0.57 J	0.34 J	1.0 U	1.0 U	1.0 U
	05/01/18	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-12M	04/24/17	**9.1**	**10.4**	2	1.0 U	1.0 U
	05/01/18	**5.6**	**6.6**	1.3	1.0 U	1.0 U
	2019	4.8	**5.1**	2	1.0 U	1.0 U
	04/06/20	3.3	**5.7**	1.8	1.0 U	1.0 U
	06/11/21	4.4	**8.6**	3.5	1.0 U	1.0 U
	10/27/22	**8.6**	**9.3**	3.9	0.54 U	0.52 U
	08/08/23	**5.4**	4.6	2.7	0.54 U	0.52 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-13D	2019 (c)	**14.2**	**15.4**	**5.3**	1.0 U	1.0 U
	2019 (d)	**14.4**	**21.1**	**10.9**	1.0 U	1.0 U
	04/06/20	**41.3**	**24.7**	**7.5**	1.0 U	1.0 U
	06/11/21	**16.1**	**16.2**	**8.7**	1.0 U	1.0 U
	10/27/22	**29**	**13.4**	**7.3**	0.54 U	0.52 U
	08/08/23	**20.9**	**7.4**	**7.1**	0.54 U	0.52 U
	08/20/24	**44**	**28**	**16**	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-13S	2019 (c)	**5.6**	**8**	3.9	1.0 U	1.0 U
	2019 (d)	4.8	**5.1**	2	1.0 U	1.0 U
	04/06/20	**9.4**	**15.8**	**10.4**	1.0 U	1.0 U
	06/11/21	**7.3**	**15.4**	**10.9**	1.0 U	1.0 U
	10/27/22	**28.8**	**28.6**	**17**	0.54 U	0.52 U
	08/08/23	**22.1**	**21.7**	**15.7**	0.54 U	0.52 U
	08/20/24	**28**	**24**	**14**	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-14D	2019 (c)	**6.5**	**7.4**	1.4	1.0 U	1.0 U
	2019 (d)	**5.7**	**6.1**	1.4	1.0 U	1.0 U
	04/06/20	**8**	**5.3**	2.8	1.0 U	1.0 U
	06/11/21	**6.9**	**8.4**	2.6	1.0 U	1.0 U
	10/27/22	**16.4**	**6.3**	2.9	0.54 U	0.52 U
	08/08/23	**13.5**	**6.5**	2	0.54 U	0.52 U
	08/20/24	**14**	**8.5**	1.4	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-02	2019	1.0 U	1.0 U	1.0 U	2.2	1.0 U
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	06/11/21	1.0 U	1.0 U	3.6	1.0 U	1.2
	10/27/22	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U
	08/08/23	0.56 U	0.53 U	0.51 U	0.54 U	0.52 U
	08/20/24	0.3 U	0.3 U	4	0.7 U	2

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-05	04/24/17	1.0 U	2	**37.9**	**7.3**	**8.8**
	05/01/18	3	**5.6**	**83.6**	**6.7**	**34.9**
	2019	1	**5.1**	**48.6**	**8**	**15**
	04/06/20	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	06/11/21	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	10/27/22	0.56 U	2.6	19.9	12.1	3.3
	08/08/23	0.56 U	0.53 U	3.2	0.54 U	0.52 U
	08/20/24	0.3 U	0.3 U	0.66 J	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-09	04/24/17	**21.9**	**17.9**	**33.4**	0.58 J	1.0 U
	05/01/18	**10.4**	**9.9**	**16.9**	1.0 U	1.0 U
	2019	**8**	4.6	**40.3**	3.2	1.3
	04/06/20	**6.2**	4.1	**36.9**	**5.1**	1
	06/11/21	1.5	2.4	**32.9**	**6.2**	**3.9**
	10/27/22	1	1.8	**27.1**	4.2	**5.2**
	08/08/23	0.9 J	0.91 J	**12.7**	1.6	**2.3**
	08/20/24	1.1	1	4.2	1.3 J	1.2

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-11S	04/24/17	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
	05/01/18	NA	NA	NA	NA	NA
	2019 (a)					
	04/06/20	**19.4**	**17.7**	**23**	1.0 U	1.0 U
	06/11/21	**31.0**	**24.1**	**15.9**	1.0 U	1.0 U
	10/27/22	**22.4**	**16.9**	**11.6**	0.54 U	0.52 U
	08/08/23	**18.5**	**13.2**	**10.1**	0.54 U	0.52 U
	08/20/24	**82**	**52**	**33**	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-11M	04/24/17	**214**	**107**	**58.1**	1.3	1.0 U
	05/01/18	**117**	**47.8**	**28.8**	0.62 J	1.0 U
	2019	**8.9**	4.2	1.0 U	1.8	1.0 U
	04/06/20	**115**	**120**	**121**	1.9	1.0 U
	06/11/21	**74.9**	**95.1**	**122**	1.8	1.0 U
	10/27/22	**14.5**	**9.2**	**8.6**	0.54 U	0.52 U
	08/08/23	**14.9**	**6.5**	**7.3**	0.54 U	0.52 U
	08/20/24	**22**	**8.0**	**7.0**	0.7 U	0.3 U

CVOCs:		PCE	TCE	cis-1,2-DCE	trans-1,2-DCE	Vinyl Chloride
NYSDEC AWQS & GV (µg/l):		5	5	5	5	2
Well ID	Date					
ERM-MW-11D	04/24/17	**99.3**	**70.1**	**71.7**	1.4	1.0 U
	05/01/18	**37.2**	**30.8**	**43.4**	1	1.0 U
	2019	**29.9**	**26.4**	**29.5**	0.57 J	1.0 U
	04/06/20	**19.4**	**17.7**	**23**	1.0 U	1.0 U
	06/11/21	**18.8**	**22.3**	**38.1**	0.69 J	1.0 U
	10/27/22	**83.2**	**60.8**	**48.7**	0.81 J	0.52 U
	08/08/23	**74**	**41.3**	**39.6**	0.64 J	0.52 U
	08/20/24	**18**	**8.0**	**6.9**	0.70 J	0.3 U

LEGEND

FORMER NYTD SITE

OU-2 BOUNDARY

MONITORING WELL

Melville Park Road

Huntington Quadrangle

Maxess Road

Baylis Road

Duryea Road

Ruland Road

MW-35, MW-34, SCDHS-MPR-01, ERM-MW-01, ERM-MW-02, ERM-MW-02D, ERM-MW-06, ERM-MW-05, ERM-MW-09, ERM-MW-04, ERM-MW-07, ERM-MW-07D, ERM-MW-08, ERM-MW-10, ERM-MW-03, ERM-MW-11S, ERM-MW-11M, ERM-MW-11D, ERM-MW-12S, ERM-MW-12M, ERM-MW-13D, ERM-MW-13S, ERM-MW-14D, ERM-MW-14S

N

0 400 800

SCALE IN FEET

THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK AND WHITE COPIES MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

Notes:

1. Abbreviations: CVOCs = chlorinated volatile organic compounds; PCE = tetrachloroethene; TCE = trichloroethene; cis-1,2-DCE = cis-1,2-dichloroethene; trans-1,2-DCE = trans-1,2-dichloroethene; µg/l = micrograms per liter; U = compound not detected at or above the method detection limit; J = estimated concentration below reporting limit; NA = not analyzed.
2. All concentrations are in units of micrograms per liter (µg/l). Only chemicals of concern are included in this table. Detected concentrations that are bolded and shaded exceed the NYS AWQS & GV as presented in the Site Management Plan, Table 1 (ERM Consulting & Engineering, Inc. [ERM], January 20, 2016). Data from 2017-2020 from the Periodic Review Reports submitted to NYSDEC in 2017 (ERM, November 2017), 2018 (ERM, December 2018) and 2020 (ERM, December 2020).
3. NYS AWQS & GV = New York State Ambient Water Quality Standards & Guidance Values
   (a) 2019 data for ERM-MW-11S was not provided in the PRRs reviewed.
   (b) Per recent correspondence with the NYSDEC, monitoring well MW-12S was removed from the sampling program following the 2020 sampling event.
   (c) Sample collected in May 2019 (date not provided in PRR).
   (d) Sample collected in September 2019 (date not provided in PRR).

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FIGURE 2

OU-2 OFF-SITE
HISTORICAL GROUNDWATER SAMPLING RESULTS
CVOCs EXCEEDANCES ONLY

NEW YORK TWIST DRILL SITE
MELVILLE, NEW YORK

PREPARED FOR
NEW YORK TWIST DRILL

Drawn By: EGC

Checked: AK 10/10/2024

Approved:

DWG Name: 314V4007.004-004

ENCLOSURE A – DATA USABILITY SUMMARY REPORT (DUSR)

Data Usability Summary Report	Project: NY Twist Drill, Melville, NY (OU-2 OFF-SITE)
Date Completed: November 5, 2024	Completed by: Eridania Marte

The analytical data provided by the laboratory were reviewed for precision, accuracy, and completeness based on applicable sections of the following guidelines.

- NYSDEC Division of Environmental Remediation Guidance for Data Deliverables and the Development of Data Usability Summary Reports (in DER-10, May 2010)
- EPA Region 2 Data Validation SOPs
    - *SOP NO. QA-HWSS-A-004, Rev. 0, Standard Operating Procedure for the Validation of Volatile Data*

The data validation was performed under Category B guidelines. Specific criteria for QC limits were obtained from the master QAPP. Compliance with the project QA program is indicated in the checklist and tables below. Any major or minor concerns affecting data usability are listed below. The checklist and tables also indicate whether data qualification is required and/or the type of qualifier assigned.

Reference:

Project ID	Lab Work Order	Laboratory Report
31404007.004	410-185079-1	ELLE

Table 1 Sample Listing Summary

Work Order	Matrix	Sample ID	Lab ID	Sample Date	Field QC	ID Corrections
410-185079-1	WG	GW2024-ERM-MW-11M-D	410-185079-1	08/20/24	FD	
410-185079-1	WG	GW2024-ERM-MW-12M	410-185079-10	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-13S	410-185079-11	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-13D	410-185079-12	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-14D	410-185079-13	08/20/24		
410-185079-1	WH	EB1-DWG20240820	410-185079-14	08/20/24	RB	
410-185079-1	WQ	TB1-DWG20240820	410-185079-15	08/20/24	TB	
410-185079-1	WG	GW2024-ERM-MW-01	410-185079-2	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-02	410-185079-3	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-02D	410-185079-4	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-05	410-185079-5	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-09	410-185079-6	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-11S	410-185079-7	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-11M	410-185079-8	08/20/24		
410-185079-1	WG	GW2024-ERM-MW-11D	410-185079-9	08/20/24		

Data Usability Summary Report	Project: NY Twist Drill, Melville, NY (OU-2 OFF-SITE)
Date Completed: November 5, 2024	Completed by: Eridania Marte

Table 1A Sample Test Summary

Work Orders	Matrix	Test Method	Method Name	Number of Samples	Sample Type
480-220648-1	WG	SW8260C	Volatile Organic Compounds by GC/MS	13	N/FD
480-220648-1	WQ	SW8260C	Volatile Organic Compounds by GC/MS	1	TB
480-220648-1	WH	SW8260C	Volatile Organic Compounds by GC/MS	1	RB

General Sample Information	
Do Samples and Analyses on COC check against Lab Sample Tracking Form?	Yes. The container count for TB1-DWG20240820 did not match what was listed on the COC. The laboratory received 4 total containers, while the COC lists 2 total containers. No further action was necessary but to note. The report was revised due to the updating of the sample IDs for MW-13D and MW-14D. No further action was necessary but to note.
Did coolers arrive at lab between 2 and 6°C and in good condition as indicated on COC and Cooler Receipt Form?	Yes.
Frequency of Field QC Samples Correct? Field Duplicate - 1/20 samples Trip Blank - Every cooler with VOCs Equipment Blank - 1/ set of samples per day for perfluorinated compounds and 1/ set per location for all other samples?	Yes. 1 FD collected per 12 samples. 0 MS/MSD collected in this SDG. 1 trip blank collected. 1 rinse blank collected.
Case narrative present and complete?	Yes.
Any holding time violations?	No.

The following tables are presented at the end of this DUSR and provide summaries of results outside QC criteria:

- Blank Results (Table 2)
- Samples Qualified for Blank Contamination (Table 2A and 2B)
- Surrogates Outside Limits (Table 3)
- MS/MSD Outside Limits (Table 4A and 4B)
- LCS Outside Limits (Table 5 and 5A)
- ICV/CCV Outside Limits (Table 5B)
- Reanalysis Results (Table 6)
- Field Duplicate Results (Table 7)

Go to Tables List

Volatile Organic Compounds by GC/MS – Method 8260C	
Description	**Notes and Qualifiers**
Any compounds present in method, trip, or, field blanks (see Table 2)?	Yes.
For samples, if results are < 5 times the blank or < 10 times the blank for common laboratory contaminants, then "U" flag data. Qualification also applies to TICs.	Chloroform was detected in equipment blank sample EB1-DWG20240820. The detected sample results for GW2024-ERM-MW-11M-D and W2024-ERM-MW-14D were U qualified and sample results were elevated to PQL value. Acetone was detected in trip blank sample TB1-DWG20240820. All associated detected sample results were > 10x the blank result; therefore, no qualification was made. Carbon disulfide was detected in trip blank sample TB1-DWG20240820. All associated sample results were non-detect; therefore, no qualification was made.
Are surrogates for method blanks and LCS within limits?	Yes.
Are surrogates for samples and MS/MSD within limits? (See Table 3). If not, were all samples reanalyzed for VOCs? Matrix effects should be established.	Yes.
Is Laboratory QC frequency at least one blank and LCS with each batch per 20 samples?	Yes.
Is MS/MSD within QC criteria (see Table 4)? If out and LCS is compliant, then “J” flag positive data in original sample due to matrix.	A site-specific MS/MSD was not performed with this SDG. An LCS was analyzed with each batch and was within acceptable limits.
Is LCS within QC criteria (see Table 5)? If out, and the recovery is high with no positive values, then no data qualification is required.	Yes.
Do internal standards areas and retention time meet criteria? If not was sample re-analyzed to establish matrix (see Table 6)?	Yes.
Is initial calibration for target compounds <20 %RSD or curve fit?	Yes.
Is %D in the continuing calibration for target compounds less than method specifications? See Table 5B.	No. The CCV associated with batch 410-544648 recovered above the upper control limit for 4-Methyl-2-pentanone, 2-Hexanone, Acetone and Carbon disulfide. Associated non-detect results were UJ qualified as estimated non-detect. Any detections were J qualified and considered estimated.
Were any samples reanalyzed or diluted (see Table 6)? For any sample reanalysis or dilutions, is only one reportable result flagged?	No.
Is there any system related compound interference reported?	Yes. The value reported for 2-butanone exhibited interference from a coeluting compound. The detected sample results were EMPC qualified as estimated maximum possible concentration.

Volatile Organic Compounds by GC/MS – Method 8260C	
Description	**Notes and Qualifiers**
Do field duplicate results show good precision for all compounds (see Table 7)?	Yes.

Data Usability Summary Report	Project: NY Twist Drill, Melville, NY (OU-2 OFF-SITE)
Date Completed: November 5, 2024	Completed by: Eridania Marte

Quantitation Limits and Data Assessment: Results were reported which were below the reporting limit (RL) and above the method detection limit (MDL) in the analyses. These results were qualified as estimated (J) by the laboratory.

Data Validation Qualifiers Definitions:

J – The analyte QC analysis fails outside the primary acceptance limits. The qualified "J" data are not excluded from further review or consideration. The 'J' qualified data may be biased high (+) or low (-) or the direction of the bias may be indeterminable.

UJ - The analyte was not detected above the reported sample quantitation limit. The analyte QC analysis fails outside the primary acceptance limits. The "UJ" qualified data are not excluded from further review or consideration. The 'UJ' qualified data may be biased low.

Summary of Findings
SW8260D • 4-Methyl-2-pentanone, 2-hexanone, acetone and carbon disulfide were J/UJ qualified in multiple samples due to poor recovery in the associated CCV. See Table 5B for associated samples. • Detected samples for 2-butanone were EMPC qualified as estimated maximum possible concentration due to interference from a coeluting compound. • The detected sample results for GW2024-ERM-MW-11M-D and W2024-ERM-MW-14D were U qualified for chloroform and sample results were elevated to PQL value due to equipment blank contamination.

Table 2 - List of Positive Results for Blank Samples

Method	Sample Name	Sample Type	Analyte	Result	Qualifier	Units	MDL	PQL
SW8260	EB1-DWG20240820	RB	Chloroform	2	J	ug/L	0.3	1
SW8260	TB1-DWG20240820	TB	Acetone	0.78	J	ug/L	0.7	20
SW8260	TB1-DWG20240820	TB	Carbon disulfide	0.35	J	ug/L	0.3	5

Table 2A - List of Samples Qualified for Method Blank Contamination
None.

Table 2B – List of Samples Qualified for Field Blank Contamination

Method	Lab Blank	Matrix	Analyte	Blank Result	Sample Result	Lab Qualifier	PQL	Affected Samples	Sample Flag
SW8260	EB1-DWG20240820	RB	Chloroform	2	1.1		1	GW2024-ERM-MW-11M-D	U Flag
					2		1	W2024-ERM-MW-14D	U Flag

Table 3 - List of Samples with Surrogates outside Control Limits
None.

Table 4A – List of MS/MSD Recoveries outside Control Limits
None.

Table 4B – List of MS/MSD RPDs outside Control Limits
None.

Table 5 - List of LCS Recoveries outside Control Limits
None.

Table 5A – List of LCS/LCSD RPDs outside Control Limits
None.

Table 5B – List of ICV/CCV Recoveries outside Control Limits

Method	Batch ID	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
SW8260	410-544648/3	CCVIS	4-Methyl-2-pentanone	28.6	20.0	GW2024-ERM-MW-12M GW2024-ERM-MW-13S GW2024-ERM-MW-13D GW2024-ERM-MW-14D EB1-DWG20240820 TB1-DWG20240820 GW2024-ERM-MW-01 GW2024-ERM-MW-02 GW2024-ERM-MW-02D GW2024-ERM-MW-05 GW2024-ERM-MW-09 GW2024-ERM-MW-11M GW2024-ERM-MW-11D	UJ Flag
			2-Hexanone	29.1	20.0	All Samples	UJ Flag
			Acetone	42.8	20.0	GW2024-ERM-MW-11M-D GW2024-ERM-MW-12M GW2024-ERM-MW-13S GW2024-ERM-MW-13D GW2024-ERM-MW-14D TB1-DWG20240820 GW2024-ERM-MW-01 GW2024-ERM-MW-02 GW2024-ERM-MW-02D GW2024-ERM-MW-05 GW2024-ERM-MW-09 GW2024-ERM-MW-11S GW2024-ERM-MW-11M GW2024-ERM-MW-11D	J Flag
			Acetone	42.8	20.0	EB1-DWG20240820	UJ Flag
			Carbon disulfide	27.8	20.0	GW2024-ERM-MW-11M-D GW2024-ERM-MW-12M GW2024-ERM-MW-13S GW2024-ERM-MW-13D GW2024-ERM-MW-14D EB1-DWG20240820 GW2024-ERM-MW-01	UJ Flag

Method	Batch ID	Sample Type	Analyte	Rec.	%D Limit	Associated Samples	Sample Qualifier
						GW2024-ERM-MW-02 GW2024-ERM-MW-02D GW2024-ERM-MW-05 GW2024-ERM-MW-09 GW2024-ERM-MW-11S GW2024-ERM-MW-11M GW2024-ERM-MW-11D	
			Carbon disulfide	27.8	20.0	TB1-DWG20240820	J Flag
			4-Methyl-2-pentanone	28.6	20.0	GW2024-ERM-MW-11S	J Flag

Table 6 –Samples that were Re-analyzed/Diluted

Sample ID	Lab ID	Method	Sample Type	Dil.	Action
PB307E2-24	480-220648-4	SW8260	N	2X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.
PB307E2-24-Q	480-220648-5	SW8260	FD	2X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.
PL73N-24	480-220648-10	SW8260	N	2X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.
PB303W2-24	480-220648-1	SW8260	N	4X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.
PB307N3-24	480-220648-3	SW8260	N	20X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.
PB322NE2-24	480-220648-11	SW8260	N	500X	Sample was diluted to bring the concentration of target analytes within the calibration range. Elevated reporting limits are provided. Data usability may be impacted for non-detect results.

Table 7 – Summary of Field Duplicate Results

Method	Analyte	Unit	Matrix	PQL	GW2024-ERM-MW-11M	GW2024-ERM-MW-11M-D	RPD	RPD Rating	Sample Qual

8260D	Tetrachloroethene	ug/L	GW	1	22	18	20.0%	Good	None
8260D	cis-1,2-Dichloroethene	ug/L	GW	1	7	6.9	1.4%	Good	None
8260D	Acetone	ug/L	GW	20	11	11	0.0%	Good	None
8260D	2-Butanone	ug/L	GW	10	17	19	11.1%	Good	None
8260D	Trichloroethene	ug/L	GW	1	8	8	0.0%	Good	None

Acronym List and Table Key:

CCV = continuing calibration verification
COC = chain of custody
DUSR = data usability summary report
FD = field duplicate
GC/MS = gas chromatography / mass spectrometry
ICS = initial calibration standard
ICV = initial calibration verification
LCS = laboratory control sample
MB = method blank
MDL = method detection limit
µg/L = micrograms per liter
MS = matrix spike
MSD = matrix spike duplicate
N = normal (field) sample
ND = not detected
NYSDEC = New York State Department of Environmental Conservation
PQL = practical quantitation limit
QA = quality assurance
QAPP = quality assurance project plan
QC = quality control
RPD = relative percent difference
SDG = sample delivery group
TB = trip blank
TRG = target compound

Data Usability Summary Report	Project: NY Twist Drill, Melville, NY (OU-2 OFF-SITE)
Date Completed: November 5, 2024	Completed by: Eridania Marte

Acronym List and Table Key:

WG = groundwater
WH = rinsate
WQ = water quality control matrix
%D = percent difference
%RSD = percent relative standard deviation

ENCLOSURE B – LABORATORY DATA PACKAGES
(410-185079)

AECOM

ADQM Data Review

Site: DuPont Melville – Laird NYTD (MEL)

Project: GW SAMPLING 2024

Project Reviewer: Beatriz Drumheller

AECOM

Sample Summary

Field Sample ID	Laboratory Sample ID	Sample Matrix	Filtered	Sample Date	Sample Time	Sample Purpose*
GW2024-ERM-MW-11M-D	410-185079-1	Water	N	8/20/2024	12:20	FS
GW2024-ERM-MW-01	410-185079-2	Water	N	8/20/2024	10:45	FS
GW2024-ERM-MW-02	410-185079-3	Water	N	8/20/2024	11:15	FS
GW2024-ERM-MW-02D	410-185079-4	Water	N	8/20/2024	11:30	FS
GW2024-ERM-MW-05	410-185079-5	Water	N	8/20/2024	10:15	FS
GW2024-ERM-MW-09	410-185079-6	Water	N	8/20/2024	07:25	FS
GW2024-ERM-MW-11S	410-185079-7	Water	N	8/20/2024	12:00	FS
GW2024-ERM-MW-11M	410-185079-8	Water	N	8/20/2024	12:20	FS
GW2024-ERM-MW-11D	410-185079-9	Water	N	8/20/2024	12:40	FS
GW2024-ERM-MW-12M	410-185079-10	Water	N	8/20/2024	09:45	FS
GW2024-ERM-MW-13S	410-185079-11	Water	N	8/20/2024	09:00	FS
GW2024-ERM-MW-13D	410-185079-12	Water	N	8/20/2024	09:10	FS
GW2024-ERM-MW-14D	410-185079-13	Water	N	8/20/2024	08:00	FS
EB1-DWG20240820	410-185079-14	Water	N	8/20/2024	13:00	EB
TB1-DWG20240820	410-185079-15	Water	N	8/20/2024	07:00	TB

* FS=Field Sample
DUP=Field Duplicate
FB=Field Blank
EB=Equipment Blank
TB=Trip Blank

AECOM

Analytical Protocol

Laboratory	Method	Parameters
Eurofins Lancaster Laboratories Environment Testing (ELLE)	SW846 8260D	Volatile Organic Compounds by GC/MS

AECOM

ADQM Data Review Checklist

Item	Description	Yes	No*	DVM Narrative Report	Laboratory Report	Exception Report (ER) #
A	Did samples meet laboratory acceptability requirements upon receipt (i.e., intact, within temperature, properly preserved, and no headspace where applicable)?	X				
B	Were samples received by the laboratory in agreement with the associated chain of custody?		X		X	
C	Was the chain of custody properly completed by the laboratory and/or field team?		X		X	
D	Were samples prepped/analyzed by the laboratory within method holding times?	X				
E	Were data review criteria met for method blanks, LCSs/LCSDs, MSs/MSDs, PDSs, SDs, replicates, surrogates, sample results within calibration range, total/dissolved samples, field duplicates, field/equipment/trip blanks?		X	X	X	
F	Were all data usable and not R qualified?					

ER#	Description

Other QA/QC Items to Note:
Method 8260D: The reported concentration of 2-Butanone represents an estimated maximum value, influenced by interference from a coeluting compound. This interference is present in the client samples, where a compound coelutes with 2-Butanone and shares the same mass used by the laboratory for quantification. While the presence of 2-Butanone is confirmed, the precise concentration cannot be determined due to the elution timing of the interfering compound relative to 2-Butanone.

* See DVM Narrative Report, Laboratory Report, and/or ER # for further details as indicated.

The electronic data submitted for this project were reviewed via the Data Verification Module (DVM) process. Overall the data are acceptable for use without qualification, except as noted on the attached DVM Narrative Report.

AECOM

Data Verification Module (DVM)

The DVM is an internal review process used by the ADQM group to assist with the determination of data usability. The electronic data deliverables received from the laboratory are loaded into the Locus EIM™ database and processed through a series of data quality checks, which are a combination of software, Locus EIM™ database Data Verification Module (DVM), and manual reviewer evaluations. The data are evaluated against the following data usability checks:

- Field and laboratory blank contamination
- US EPA hold time criteria
- Missing Quality Control (QC) samples
- Matrix spike (MS)/matrix spike duplicate (MSD) recoveries and the relative percent differences (RPDs) between these spikes
- Laboratory control sample (LCS)/laboratory control sample duplicate (LCSD) recoveries and the RPD between these spikes
- Surrogate spike recoveries for organic analyses
- Difference/RPD between field duplicate sample pairs
- RPD between laboratory replicates for inorganic analyses
- Difference/percent difference between total and dissolved sample pairs

There are two qualifier fields in EIM:

Laboratory Qualifier is the qualifier assigned by the laboratory and may not reflect the usability of the data. This qualifier may have many different meanings and can vary between labs and over time within the same lab. Please refer to the laboratory report for a description of the laboratory qualifiers. As they are laboratory descriptors they are not to be used when evaluating the data.

Validation Qualifier is the 3rd party formal validation qualifier if this was performed. Otherwise this field contains the qualifier resulting from the ADQM DVM review process. This qualifier assesses the usability of the data and may not equal the laboratory qualifier. The DVM applies the following data evaluation qualifiers to analysis results, as warranted:

Qualifier	Definition
B	Not detected substantially above the level reported in the laboratory or field blanks.
R	Unusable result. Analyte may or may not be present in the sample.
J	Analyte present. Reported value may not be accurate or precise.
UJ	Not detected. Reporting limit may not be accurate or precise.

The **Validation Status Code** field is set to “DVM” if the ADQM DVM process has been performed. If the DVM has not been run, the field will be blank.

If the DVM has been run (**Validation Status Code** equals “DVM”), use the **Validation Qualifier.**

If the data have been validated by a third party, the field **“Validated By”** will be set to the validator (e.g., ESI for Environmental Standards, Inc.).

DVM Narrative Report

Site: Melville - Laird NYTD **Sampling Program:** GW SAMPLING 2024 **Validation Options:** LABSTATS

Validation Reason Code: Contamination detected in equipment blank(s). Sample result does not differ significantly from the analyte concentration detected in the associated equipment blank(s).

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2024-ERM-MW-11M-D	08/20/2024	410-185079-1	Chloroform	1.1	UG/L	MDL	0.30	1.0	B	8260D		5030C
GW2024-ERM-MW-14D	08/20/2024	410-185079-13	Chloroform	2.0	UG/L	MDL	0.30	1.0	B	8260D		5030C

Site: Melville - Laird NYTD **Sampling Program:** GW SAMPLING 2024 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2024-ERM-MW-14D	08/20/2024	410-185079-13	1,1-Dichloroethene	0.49	UG/L	MDL	0.30	1.0	J	8260D		5030C
TB1-DWG20240820	08/20/2024	410-185079-15	Acetone	0.78	UG/L	MDL	0.70	20	J	8260D		5030C
TB1-DWG20240820	08/20/2024	410-185079-15	Carbon Disulfide	0.35	UG/L	MDL	0.30	5.0	J	8260D		5030C
GW2024-ERM-MW-11S	08/20/2024	410-185079-7	Methyl Isobutyl Ketone	0.52	UG/L	MDL	0.50	10	J	8260D		5030C
GW2024-ERM-MW-11S	08/20/2024	410-185079-7	1,1-Dichloroethane	0.70	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-11S	08/20/2024	410-185079-7	1,1-Dichloroethene	0.34	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-11S	08/20/2024	410-185079-7	1,1,2-Trichloroethane	0.62	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-12M	08/20/2024	410-185079-10	Acetone	9.8	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-12M	08/20/2024	410-185079-10	1,1-Dichloroethane	0.33	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-13D	08/20/2024	410-185079-12	Acetone	14	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-13S	08/20/2024	410-185079-11	Acetone	9.4	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-14D	08/20/2024	410-185079-13	Acetone	11	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-02	08/20/2024	410-185079-3	Acetone	9.2	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-02D	08/20/2024	410-185079-4	Acetone	9.8	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-05	08/20/2024	410-185079-5	cis-1,2 Dichloroethene	0.66	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-05	08/20/2024	410-185079-5	Acetone	10	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-09	08/20/2024	410-185079-6	trans-1,2-Dichloroethene	1.3	UG/L	MDL	0.70	2.0	J	8260D		5030C
GW2024-ERM-MW-09	08/20/2024	410-185079-6	Acetone	11	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-09	08/20/2024	410-185079-6	1,1-Dichloroethane	0.40	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-11D	08/20/2024	410-185079-9	trans-1,2-Dichloroethene	0.87	UG/L	MDL	0.70	2.0	J	8260D		5030C
GW2024-ERM-MW-11D	08/20/2024	410-185079-9	Acetone	12	UG/L	MDL	0.70	20	J	8260D		5030C
GW2024-ERM-MW-11D	08/20/2024	410-185079-9	1,1,1-Trichloroethane	0.60	UG/L	MDL	0.30	1.0	J	8260D		5030C
GW2024-ERM-MW-11M	08/20/2024	410-185079-8	Acetone	11	UG/L	MDL	0.70	20	J	8260D		5030C

Site: Melville - Laird NYTD **Sampling Program:** GW SAMPLING 2024 **Validation Options:** LABSTATS

Validation Reason Code: The result is estimated since the concentration is between the method detection limit and practical quantitation limit.

Field Sample ID	Date Sampled	Lab Sample ID	Analyte	Result	Units	Type	MDL	PQL	Validation Qualifier	Analytical Method	Pre-prep	Prep
GW2024-ERM-MW-11M-D	08/20/2024	410-185079-1	Acetone	11	UG/L	MDL	0.70	20	J	8260D		5030C

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Beatriz Drumheller
DuPont Specialty Products USA LLC
248 Chapman Road
Suite 101
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JOB DESCRIPTION

GW Sampling

JOB NUMBER

410-185079-1

Eurofins Lancaster Laboratories Environment Testing, LLC
2425 New Holland Pike
Lancaster PA 17601

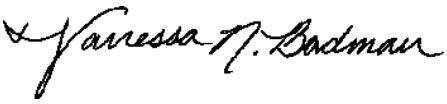
See page two for job notes and contact information.

Job Notes

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

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



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Authorized for release by
Vanessa Badman, Project Manager
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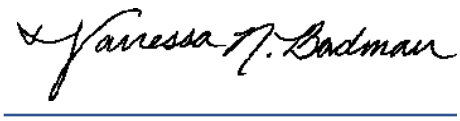
Compliance Statement

Analytical test results meet all requirements of the associated regulatory program (e.g., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis. Data qualifiers are applied to note exceptions. Noncompliant quality control (QC) is further explained in narrative comments.
· QC results that exceed the upper limits and are associated with non-detect samples are qualified but further narration is not required since the bias is high and does not change a non-detect result. Further narration is also not required with QC blank detection when the associated sample concentration is non-detect or more than ten times the level in the blank.
· Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD is performed, unless otherwise specified in the method.
· Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.
Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Measurement uncertainty values, as applicable, are available upon request.

Test results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" and tested in the laboratory are not performed within 15 minutes of collection.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. The foregoing express warranty is exclusive and is given in lieu of all other warranties, expressed or implied, except as otherwise agreed. We disclaim any other warranties, expressed or implied, including a warranty of fitness for particular purpose and warranty of merchantability. In no event shall Eurofins Lancaster Laboratories Environmental, LLC be liable for indirect, special, consequential, or incidental damages including, but not limited to, damages for loss of profit or goodwill regardless of (A) the negligence (either sole or concurrent) of Eurofins Lancaster Laboratories Environmental and (B) whether Eurofins Lancaster Laboratories Environmental has been informed of the possibility of such damages. We accept no legal responsibility for the purposes for which the client uses the test results. Except as otherwise agreed, no purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.



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Definitions/Glossary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
cn	Refer to Case Narrative for further detail
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

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

Job Narrative
410-185079-1

REVISION

The report being provided is a revision of the original report sent on 8/29/2024. The report (revision 1) is being revised due to the updating of the sample IDs for MW-13D and MW-14D.

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

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

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

Receipt
The samples were received on 8/21/2024 10:25 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.4°C.

Receipt Exceptions
The container count for the following sample did not match what was listed on the Chain-of-Custody (COC): TB1-DWG20240820 (410-185079-15).
The laboratory received 4 total containers, while the COC lists 2 total containers.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 410-544648 recovered above the upper control limit for 4-Methyl-2-pentanone, 2-Hexanone, Acetone and Carbon disulfide. Non-detections of the affected analytes are reported. Any detections are considered estimated.

Method 8260D: The value reported for 2-Butanone is an estimated maximum possible concentration due to interference from a coeluting compound.

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

Detection Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-11M-D — Lab Sample ID: 410-185079-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	18		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	6.9		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	11	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	19	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	8.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-01 — Lab Sample ID: 410-185079-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	27		20	0.70	ug/L	1		8260D	Total/NA
2-Butanone	16	cn	10	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-02 — Lab Sample ID: 410-185079-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	4.0		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	9.2	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	16	cn	10	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-02D — Lab Sample ID: 410-185079-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	9.8	J	20	0.70	ug/L	1		8260D	Total/NA
2-Butanone	18	cn	10	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-05 — Lab Sample ID: 410-185079-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	0.66	J	1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	10	J	20	0.70	ug/L	1		8260D	Total/NA
2-Butanone	17	cn	10	0.50	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-09 — Lab Sample ID: 410-185079-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	1.1		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	4.2		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	1.3	J	2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	11	J	20	0.70	ug/L	1		8260D	Total/NA
Vinyl chloride	1.2		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.40	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	16	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	1.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-11S — Lab Sample ID: 410-185079-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone	0.52	J	10	0.50	ug/L	1		8260D	Total/NA
Tetrachloroethene	82		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	33		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	44		20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.70	J	1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW2024-ERM-MW-11S (Continued) — Lab Sample ID: 410-185079-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1-Dichloroethene	0.34	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	14	cn	10	0.50	ug/L	1		8260D	Total/NA
1,1,2-Trichloroethane	0.62	J	1.0	0.30	ug/L	1		8260D	Total/NA
Trichloroethene	52		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-11M — Lab Sample ID: 410-185079-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	22		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	7.0		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	11	J	20	0.70	ug/L	1		8260D	Total/NA
2-Butanone	17	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	8.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-11D — Lab Sample ID: 410-185079-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	87		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	44		1.0	0.30	ug/L	1		8260D	Total/NA
trans-1,2-Dichloroethene	0.87	J	2.0	0.70	ug/L	1		8260D	Total/NA
Acetone	12	J	20	0.70	ug/L	1		8260D	Total/NA
1,1,1-Trichloroethane	0.60	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	4.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	2.4		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	19	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	54		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-12M — Lab Sample ID: 410-185079-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	5.4		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	9.8	J	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	0.33	J	1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	1.5		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	17	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	4.5		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-13S — Lab Sample ID: 410-185079-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	28		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	9.4	J	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	2.1		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.5		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	16	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	24		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-13D — Lab Sample ID: 410-185079-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	44		1.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: GW2024-ERM-MW-13D (Continued) — Lab Sample ID: 410-185079-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
cis-1,2-Dichloroethene	16		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	14	J	20	0.70	ug/L	1		8260D	Total/NA
1,1-Dichloroethane	1.8		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	3.3		1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	17	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	28		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: GW2024-ERM-MW-14D — Lab Sample ID: 410-185079-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	14		1.0	0.30	ug/L	1		8260D	Total/NA
cis-1,2-Dichloroethene	1.4		1.0	0.30	ug/L	1		8260D	Total/NA
Acetone	11	J	20	0.70	ug/L	1		8260D	Total/NA
Chloroform	2.0		1.0	0.30	ug/L	1		8260D	Total/NA
1,1-Dichloroethene	0.49	J	1.0	0.30	ug/L	1		8260D	Total/NA
2-Butanone	16	cn	10	0.50	ug/L	1		8260D	Total/NA
Trichloroethene	8.5		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: EB1-DWG20240820 — Lab Sample ID: 410-185079-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.0		1.0	0.30	ug/L	1		8260D	Total/NA

Client Sample ID: TB1-DWG20240820 — Lab Sample ID: 410-185079-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.78	J cn	20	0.70	ug/L	1		8260D	Total/NA
Carbon disulfide	0.35	J cn	5.0	0.30	ug/L	1		8260D	Total/NA

This Detection Summary does not include radiochemical test results.

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-11M-D

Date Collected: 08/20/24 12:20
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/26/24 23:28	1
Styrene	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/26/24 23:28	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/26/24 23:28	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/26/24 23:28	1
Toluene	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/26/24 23:28	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/26/24 23:28	1
Tetrachloroethene	**18**		1.0	0.30	ug/L			08/26/24 23:28	1
cis-1,2-Dichloroethene	**6.9**		1.0	0.30	ug/L			08/26/24 23:28	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/26/24 23:28	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/26/24 23:28	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/26/24 23:28	1
Acetone	**11**	**J**	20	0.70	ug/L			08/26/24 23:28	1
Chloroform	**1.1**		1.0	0.30	ug/L			08/26/24 23:28	1
Benzene	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/26/24 23:28	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
1,4-Dioxane	29	U	250	29	ug/L			08/26/24 23:28	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/26/24 23:28	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:28	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Freon 113	0.30	U	10	0.30	ug/L			08/26/24 23:28	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
2-Butanone	**19**	**cn**	10	0.50	ug/L			08/26/24 23:28	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
Trichloroethene	**8.0**		1.0	0.30	ug/L			08/26/24 23:28	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:28	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/26/24 23:28	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1

Client Sample ID: GW2024-ERM-MW-11M-D

Lab Sample ID: 410-185079-1

Date Collected: 08/20/24 12:20

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:28	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/26/24 23:28	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/26/24 23:28	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/26/24 23:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/26/24 23:28*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/26/24 23:28*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/26/24 23:28*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/26/24 23:28*	*1*

Client Sample ID: GW2024-ERM-MW-01

Lab Sample ID: 410-185079-2

Date Collected: 08/20/24 10:45

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/26/24 23:48	1
Styrene	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/26/24 23:48	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/26/24 23:48	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/26/24 23:48	1
Toluene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/26/24 23:48	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/26/24 23:48	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
cis-1,2-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/26/24 23:48	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/26/24 23:48	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/26/24 23:48	1
Acetone	**27**		20	0.70	ug/L			08/26/24 23:48	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Benzene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/26/24 23:48	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
1,4-Dioxane	29	U	250	29	ug/L			08/26/24 23:48	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1

Client Sample ID: GW2024-ERM-MW-01

Lab Sample ID: 410-185079-2

Date Collected: 08/20/24 10:45

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/26/24 23:48	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 23:48	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Freon 113	0.30	U	10	0.30	ug/L			08/26/24 23:48	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
2-Butanone	**16**	**cn**	10	0.50	ug/L			08/26/24 23:48	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 23:48	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/26/24 23:48	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/26/24 23:48	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/26/24 23:48	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/26/24 23:48	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/26/24 23:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/26/24 23:48*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/26/24 23:48*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/26/24 23:48*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/26/24 23:48*	*1*

Client Sample ID: GW2024-ERM-MW-02

Lab Sample ID: 410-185079-3

Date Collected: 08/20/24 11:15

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 00:09	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 00:09	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 00:09	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 00:09	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 00:09	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 00:09	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1

Client Sample ID: GW2024-ERM-MW-02

Lab Sample ID: 410-185079-3

Date Collected: 08/20/24 11:15

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	**4.0**		1.0	0.30	ug/L			08/27/24 00:09	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 00:09	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 00:09	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 00:09	1
Acetone	**9.2**	**J**	20	0.70	ug/L			08/27/24 00:09	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 00:09	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Vinyl chloride	**2.0**		1.0	0.30	ug/L			08/27/24 00:09	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 00:09	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 00:09	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:09	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 00:09	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
2-Butanone	**16**	**cn**	10	0.50	ug/L			08/27/24 00:09	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:09	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 00:09	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:09	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 00:09	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 00:09	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 00:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/27/24 00:09*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/27/24 00:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 00:09*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/27/24 00:09*	*1*

Client Sample ID: GW2024-ERM-MW-02D

Lab Sample ID: 410-185079-4

Date Collected: 08/20/24 11:30

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-02D
Date Collected: 08/20/24 11:30
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-4
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 00:29	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 00:29	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 00:29	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 00:29	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 00:29	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 00:29	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
cis-1,2-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 00:29	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 00:29	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 00:29	1
Acetone	**9.8**	**J**	20	0.70	ug/L			08/27/24 00:29	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 00:29	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 00:29	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 00:29	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:29	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 00:29	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
2-Butanone	**18**	**cn**	10	0.50	ug/L			08/27/24 00:29	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:29	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 00:29	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:29	1

Client Sample ID: GW2024-ERM-MW-02D

Lab Sample ID: 410-185079-4

Date Collected: 08/20/24 11:30

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 00:29	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 00:29	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/27/24 00:29*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/27/24 00:29*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 00:29*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 00:29*	*1*

Client Sample ID: GW2024-ERM-MW-05

Lab Sample ID: 410-185079-5

Date Collected: 08/20/24 10:15

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 00:49	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 00:49	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 00:49	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 00:49	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 00:49	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 00:49	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
cis-1,2-Dichloroethene	**0.66**	**J**	1.0	0.30	ug/L			08/27/24 00:49	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 00:49	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 00:49	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 00:49	1
Acetone	**10**	**J**	20	0.70	ug/L			08/27/24 00:49	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 00:49	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 00:49	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1

Client Sample ID: GW2024-ERM-MW-05

Lab Sample ID: 410-185079-5

Date Collected: 08/20/24 10:15

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 00:49	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 00:49	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 00:49	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
2-Butanone	**17**	**cn**	10	0.50	ug/L			08/27/24 00:49	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 00:49	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 00:49	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 00:49	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 00:49	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 00:49	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/27/24 00:49*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/27/24 00:49*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/27/24 00:49*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 00:49*	*1*

Client Sample ID: GW2024-ERM-MW-09

Lab Sample ID: 410-185079-6

Date Collected: 08/20/24 07:25

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 01:09	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 01:09	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 01:09	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 01:09	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 01:09	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 01:09	1
Tetrachloroethene	**1.1**		1.0	0.30	ug/L			08/27/24 01:09	1
cis-1,2-Dichloroethene	**4.2**		1.0	0.30	ug/L			08/27/24 01:09	1

Client Sample ID: GW2024-ERM-MW-09

Lab Sample ID: 410-185079-6

Date Collected: 08/20/24 07:25

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	**1.3**	**J**	2.0	0.70	ug/L			08/27/24 01:09	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 01:09	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 01:09	1
Acetone	**11**	**J**	20	0.70	ug/L			08/27/24 01:09	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 01:09	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Vinyl chloride	**1.2**		1.0	0.30	ug/L			08/27/24 01:09	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 01:09	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 01:09	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:09	1
1,1-Dichloroethane	**0.40**	**J**	1.0	0.30	ug/L			08/27/24 01:09	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 01:09	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
2-Butanone	**16**	**cn**	10	0.50	ug/L			08/27/24 01:09	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
Trichloroethene	**1.0**		1.0	0.30	ug/L			08/27/24 01:09	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:09	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 01:09	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:09	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 01:09	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 01:09	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 01:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/27/24 01:09*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/27/24 01:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 01:09*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 01:09*	*1*

Client Sample ID: GW2024-ERM-MW-11S

Lab Sample ID: 410-185079-7

Date Collected: 08/20/24 12:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-11S
Date Collected: 08/20/24 12:00
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-7
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 01:30	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 01:30	1
4-Methyl-2-pentanone	**0.52**	**J**	10	0.50	ug/L			08/27/24 01:30	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 01:30	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 01:30	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 01:30	1
Tetrachloroethene	**82**		1.0	0.30	ug/L			08/27/24 01:30	1
cis-1,2-Dichloroethene	**33**		1.0	0.30	ug/L			08/27/24 01:30	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 01:30	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 01:30	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 01:30	1
Acetone	**44**		20	0.70	ug/L			08/27/24 01:30	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 01:30	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 01:30	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 01:30	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:30	1
1,1-Dichloroethane	**0.70**	**J**	1.0	0.30	ug/L			08/27/24 01:30	1
1,1-Dichloroethene	**0.34**	**J**	1.0	0.30	ug/L			08/27/24 01:30	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 01:30	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
2-Butanone	**14**	**cn**	10	0.50	ug/L			08/27/24 01:30	1
1,1,2-Trichloroethane	**0.62**	**J**	1.0	0.30	ug/L			08/27/24 01:30	1
Trichloroethene	**52**		1.0	0.30	ug/L			08/27/24 01:30	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:30	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 01:30	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:30	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 01:30	1

Client Sample ID: GW2024-ERM-MW-11S

Lab Sample ID: 410-185079-7

Date Collected: 08/20/24 12:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 01:30	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 01:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/27/24 01:30*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/27/24 01:30*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 01:30*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 01:30*	*1*

Client Sample ID: GW2024-ERM-MW-11M

Lab Sample ID: 410-185079-8

Date Collected: 08/20/24 12:20

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 01:50	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 01:50	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 01:50	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 01:50	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 01:50	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 01:50	1
Tetrachloroethene	**22**		1.0	0.30	ug/L			08/27/24 01:50	1
cis-1,2-Dichloroethene	**7.0**		1.0	0.30	ug/L			08/27/24 01:50	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 01:50	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 01:50	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 01:50	1
Acetone	**11**	**J**	20	0.70	ug/L			08/27/24 01:50	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 01:50	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 01:50	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 01:50	1

Client Sample ID: GW2024-ERM-MW-11M

Lab Sample ID: 410-185079-8

Date Collected: 08/20/24 12:20

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 01:50	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 01:50	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
2-Butanone	**17**	**cn**	10	0.50	ug/L			08/27/24 01:50	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
Trichloroethene	**8.0**		1.0	0.30	ug/L			08/27/24 01:50	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 01:50	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 01:50	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 01:50	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 01:50	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 01:50	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 01:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/27/24 01:50*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*		*08/27/24 01:50*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 01:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/27/24 01:50*	*1*

Client Sample ID: GW2024-ERM-MW-11D

Lab Sample ID: 410-185079-9

Date Collected: 08/20/24 12:40

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 02:10	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 02:10	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 02:10	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 02:10	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 02:10	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 02:10	1
Tetrachloroethene	**87**		1.0	0.30	ug/L			08/27/24 02:10	1
cis-1,2-Dichloroethene	**44**		1.0	0.30	ug/L			08/27/24 02:10	1
trans-1,2-Dichloroethene	**0.87**	**J**	2.0	0.70	ug/L			08/27/24 02:10	1

Client Sample ID: GW2024-ERM-MW-11D

Lab Sample ID: 410-185079-9

Date Collected: 08/20/24 12:40

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 02:10	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 02:10	1
Acetone	**12**	**J**	20	0.70	ug/L			08/27/24 02:10	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
1,1,1-Trichloroethane	**0.60**	**J**	1.0	0.30	ug/L			08/27/24 02:10	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 02:10	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 02:10	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 02:10	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:10	1
1,1-Dichloroethane	**4.1**		1.0	0.30	ug/L			08/27/24 02:10	1
1,1-Dichloroethene	**2.4**		1.0	0.30	ug/L			08/27/24 02:10	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 02:10	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
2-Butanone	**19**	**cn**	10	0.50	ug/L			08/27/24 02:10	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
Trichloroethene	**54**		1.0	0.30	ug/L			08/27/24 02:10	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:10	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 02:10	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:10	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 02:10	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 02:10	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/27/24 02:10*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/27/24 02:10*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/27/24 02:10*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 02:10*	*1*

Client Sample ID: GW2024-ERM-MW-12M

Lab Sample ID: 410-185079-10

Date Collected: 08/20/24 09:45

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 02:31	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-12M
Date Collected: 08/20/24 09:45
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-10
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 02:31	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 02:31	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 02:31	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 02:31	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 02:31	1
Tetrachloroethene	**5.4**		1.0	0.30	ug/L			08/27/24 02:31	1
cis-1,2-Dichloroethene	**2.0**		1.0	0.30	ug/L			08/27/24 02:31	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 02:31	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 02:31	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 02:31	1
Acetone	**9.8**	**J**	20	0.70	ug/L			08/27/24 02:31	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 02:31	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 02:31	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 02:31	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:31	1
1,1-Dichloroethane	**0.33**	**J**	1.0	0.30	ug/L			08/27/24 02:31	1
1,1-Dichloroethene	**1.5**		1.0	0.30	ug/L			08/27/24 02:31	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 02:31	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
2-Butanone	**17**	**cn**	10	0.50	ug/L			08/27/24 02:31	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
Trichloroethene	**4.5**		1.0	0.30	ug/L			08/27/24 02:31	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:31	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 02:31	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:31	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 02:31	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 02:31	1

Client Sample ID: GW2024-ERM-MW-12M

Lab Sample ID: 410-185079-10

Date Collected: 08/20/24 09:45

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 02:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/27/24 02:31*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 120*		*08/27/24 02:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*08/27/24 02:31*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/27/24 02:31*	*1*

Client Sample ID: GW2024-ERM-MW-13S

Lab Sample ID: 410-185079-11

Date Collected: 08/20/24 09:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 02:51	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 02:51	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 02:51	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 02:51	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 02:51	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 02:51	1
Tetrachloroethene	**28**		1.0	0.30	ug/L			08/27/24 02:51	1
cis-1,2-Dichloroethene	**14**		1.0	0.30	ug/L			08/27/24 02:51	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 02:51	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 02:51	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 02:51	1
Acetone	**9.4**	**J**	20	0.70	ug/L			08/27/24 02:51	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 02:51	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 02:51	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 02:51	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 02:51	1

Client Sample ID: GW2024-ERM-MW-13S

Lab Sample ID: 410-185079-11

Date Collected: 08/20/24 09:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	**2.1**		1.0	0.30	ug/L			08/27/24 02:51	1
1,1-Dichloroethene	**3.5**		1.0	0.30	ug/L			08/27/24 02:51	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 02:51	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
2-Butanone	**16**	**cn**	10	0.50	ug/L			08/27/24 02:51	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
Trichloroethene	**24**		1.0	0.30	ug/L			08/27/24 02:51	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 02:51	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 02:51	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 02:51	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 02:51	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 02:51	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 02:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/27/24 02:51*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/27/24 02:51*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/27/24 02:51*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/27/24 02:51*	*1*

Client Sample ID: GW2024-ERM-MW-13D

Lab Sample ID: 410-185079-12

Date Collected: 08/20/24 09:10

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 03:11	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 03:11	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 03:11	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 03:11	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 03:11	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 03:11	1
Tetrachloroethene	**44**		1.0	0.30	ug/L			08/27/24 03:11	1
cis-1,2-Dichloroethene	**16**		1.0	0.30	ug/L			08/27/24 03:11	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 03:11	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1

Client Sample ID: GW2024-ERM-MW-13D

Lab Sample ID: 410-185079-12

Date Collected: 08/20/24 09:10

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 03:11	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 03:11	1
Acetone	**14**	**J**	20	0.70	ug/L			08/27/24 03:11	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 03:11	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 03:11	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 03:11	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:11	1
1,1-Dichloroethane	**1.8**		1.0	0.30	ug/L			08/27/24 03:11	1
1,1-Dichloroethene	**3.3**		1.0	0.30	ug/L			08/27/24 03:11	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 03:11	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
2-Butanone	**17**	**cn**	10	0.50	ug/L			08/27/24 03:11	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
Trichloroethene	**28**		1.0	0.30	ug/L			08/27/24 03:11	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:11	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 03:11	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:11	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 03:11	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 03:11	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/27/24 03:11*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 120*		*08/27/24 03:11*	*1*
4-Bromofluorobenzene (Surr)	*95*		*80 - 120*		*08/27/24 03:11*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*08/27/24 03:11*	*1*

Client Sample ID: GW2024-ERM-MW-14D

Lab Sample ID: 410-185079-13

Date Collected: 08/20/24 08:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/27/24 03:31	1
Styrene	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-14D
Date Collected: 08/20/24 08:00
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-13
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/27/24 03:31	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/27/24 03:31	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/27/24 03:31	1
Toluene	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/27/24 03:31	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/27/24 03:31	1
Tetrachloroethene	**14**		1.0	0.30	ug/L			08/27/24 03:31	1
cis-1,2-Dichloroethene	**1.4**		1.0	0.30	ug/L			08/27/24 03:31	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/27/24 03:31	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/27/24 03:31	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/27/24 03:31	1
Acetone	**11**	**J**	20	0.70	ug/L			08/27/24 03:31	1
Chloroform	**2.0**		1.0	0.30	ug/L			08/27/24 03:31	1
Benzene	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/27/24 03:31	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
1,4-Dioxane	29	U	250	29	ug/L			08/27/24 03:31	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/27/24 03:31	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/27/24 03:31	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
1,1-Dichloroethene	**0.49**	**J**	1.0	0.30	ug/L			08/27/24 03:31	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Freon 113	0.30	U	10	0.30	ug/L			08/27/24 03:31	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
2-Butanone	**16**	**cn**	10	0.50	ug/L			08/27/24 03:31	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
Trichloroethene	**8.5**		1.0	0.30	ug/L			08/27/24 03:31	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/27/24 03:31	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/27/24 03:31	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/27/24 03:31	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/27/24 03:31	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/27/24 03:31	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/27/24 03:31	1

Client Sample ID: GW2024-ERM-MW-14D

Lab Sample ID: 410-185079-13

Date Collected: 08/20/24 08:00

Matrix: Water

Date Received: 08/21/24 10:25

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/27/24 03:31*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*		*08/27/24 03:31*	*1*
4-Bromofluorobenzene (Surr)	*94*		*80 - 120*		*08/27/24 03:31*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/27/24 03:31*	*1*

Client Sample ID: EB1-DWG20240820

Lab Sample ID: 410-185079-14

Date Collected: 08/20/24 13:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/26/24 21:47	1
Styrene	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/26/24 21:47	1
4-Methyl-2-pentanone	0.50	U cn	10	0.50	ug/L			08/26/24 21:47	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/26/24 21:47	1
Toluene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/26/24 21:47	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/26/24 21:47	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
cis-1,2-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/26/24 21:47	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/26/24 21:47	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
2-Hexanone	0.85	U cn	10	0.85	ug/L			08/26/24 21:47	1
Acetone	0.70	U cn	20	0.70	ug/L			08/26/24 21:47	1
Chloroform	**2.0**		1.0	0.30	ug/L			08/26/24 21:47	1
Benzene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/26/24 21:47	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
1,4-Dioxane	29	U	250	29	ug/L			08/26/24 21:47	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Carbon disulfide	0.30	U cn	5.0	0.30	ug/L			08/26/24 21:47	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/26/24 21:47	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:47	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1

Client Sample ID: EB1-DWG20240820

Lab Sample ID: 410-185079-14

Date Collected: 08/20/24 13:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Freon 113	0.30	U	10	0.30	ug/L			08/26/24 21:47	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
2-Butanone	0.50	U	10	0.50	ug/L			08/26/24 21:47	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:47	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/26/24 21:47	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:47	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/26/24 21:47	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/26/24 21:47	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/26/24 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/26/24 21:47*	*1*
Dibromofluoromethane (Surr)	*109*		*80 - 120*		*08/26/24 21:47*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/26/24 21:47*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/26/24 21:47*	*1*

Client Sample ID: TB1-DWG20240820

Lab Sample ID: 410-185079-15

Date Collected: 08/20/24 07:00

Matrix: Water

Date Received: 08/21/24 10:25

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/26/24 21:26	1
Styrene	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/26/24 21:26	1
4-Methyl-2-pentanone	0.50	U cn	10	0.50	ug/L			08/26/24 21:26	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/26/24 21:26	1
Toluene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/26/24 21:26	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/26/24 21:26	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
cis-1,2-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/26/24 21:26	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/26/24 21:26	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
2-Hexanone	0.85	U cn	10	0.85	ug/L			08/26/24 21:26	1

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: TB1-DWG20240820

Date Collected: 08/20/24 07:00
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.78**	**J cn**	20	0.70	ug/L			08/26/24 21:26	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Benzene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/26/24 21:26	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
1,4-Dioxane	29	U	250	29	ug/L			08/26/24 21:26	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Carbon disulfide	**0.35**	**J cn**	5.0	0.30	ug/L			08/26/24 21:26	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/26/24 21:26	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 21:26	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Freon 113	0.30	U	10	0.30	ug/L			08/26/24 21:26	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
2-Butanone	0.50	U	10	0.50	ug/L			08/26/24 21:26	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 21:26	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/26/24 21:26	1
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/26/24 21:26	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/26/24 21:26	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/26/24 21:26	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/26/24 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*		*08/26/24 21:26*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/26/24 21:26*	*1*
4-Bromofluorobenzene (Surr)	*96*		*80 - 120*		*08/26/24 21:26*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/26/24 21:26*	*1*

Surrogate Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

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

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	DBFM	BFB	TOL
Lab Sample ID	Client Sample ID	(80-120)	(80-120)	(80-120)	(80-120)
410-185079-1	GW2024-ERM-MW-11M-D	105	110	97	98
410-185079-2	GW2024-ERM-MW-01	105	108	96	98
410-185079-3	GW2024-ERM-MW-02	106	107	95	97
410-185079-4	GW2024-ERM-MW-02D	103	106	95	98
410-185079-5	GW2024-ERM-MW-05	105	109	97	98
410-185079-6	GW2024-ERM-MW-09	104	105	95	98
410-185079-7	GW2024-ERM-MW-11S	104	106	95	98
410-185079-8	GW2024-ERM-MW-11M	103	107	95	99
410-185079-9	GW2024-ERM-MW-11D	105	109	96	98
410-185079-10	GW2024-ERM-MW-12M	105	108	94	97
410-185079-11	GW2024-ERM-MW-13S	105	109	96	98
410-185079-12	GW2024-ERM-MW-13D	104	110	95	97
410-185079-13	GW2024-ERM-MW-14D	106	106	94	99
410-185079-14	EB1-DWG20240820	104	109	96	99
410-185079-15	TB1-DWG20240820	105	105	96	98
LCS 410-544648/4	Lab Control Sample	102	105	99	102
LCSD 410-544648/5	Lab Control Sample Dup	103	102	99	102
MB 410-544648/7	Method Blank	104	105	97	99

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
DBFM = Dibromofluoromethane (Surr)
BFB = 4-Bromofluorobenzene (Surr)
TOL = Toluene-d8 (Surr)

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

Lab Sample ID: MB 410-544648/7
Matrix: Water
Analysis Batch: 544648

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
trans-1,3-Dichloropropene	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
Ethylbenzene	0.40	U	1.0	0.40	ug/L			08/26/24 20:45	1
Styrene	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
1,4-Dichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
1,2-Dibromoethane	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
1,2-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
1,2,3-Trichlorobenzene	0.40	U	5.0	0.40	ug/L			08/26/24 20:45	1
4-Methyl-2-pentanone	0.50	U	10	0.50	ug/L			08/26/24 20:45	1
Methylcyclohexane	0.50	U	5.0	0.50	ug/L			08/26/24 20:45	1
Toluene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Chlorobenzene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Cyclohexane	1.0	U	5.0	1.0	ug/L			08/26/24 20:45	1
1,2,4-Trichlorobenzene	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
Dibromochloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
Xylenes, Total	0.40	U	1.0	0.40	ug/L			08/26/24 20:45	1
Tetrachloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
cis-1,2-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
trans-1,2-Dichloroethene	0.70	U	2.0	0.70	ug/L			08/26/24 20:45	1
Methyl tertiary butyl ether	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
1,3-Dichlorobenzene	0.68	U	5.0	0.68	ug/L			08/26/24 20:45	1
Carbon tetrachloride	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
2-Hexanone	0.85	U	10	0.85	ug/L			08/26/24 20:45	1
Acetone	0.70	U	20	0.70	ug/L			08/26/24 20:45	1
Chloroform	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Benzene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Bromomethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Chloromethane	0.55	U	2.0	0.55	ug/L			08/26/24 20:45	1
Chloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Vinyl chloride	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
1,4-Dioxane	29	U	250	29	ug/L			08/26/24 20:45	1
Methylene Chloride	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Carbon disulfide	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
Bromoform	1.0	U	4.0	1.0	ug/L			08/26/24 20:45	1
Bromodichloromethane	0.20	U	1.0	0.20	ug/L			08/26/24 20:45	1
1,1-Dichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
1,1-Dichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Trichlorofluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Dichlorodifluoromethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Freon 113	0.30	U	10	0.30	ug/L			08/26/24 20:45	1
1,2-Dichloropropane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
2-Butanone	0.50	U	10	0.50	ug/L			08/26/24 20:45	1
1,1,2-Trichloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Trichloroethene	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
Methyl acetate	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
1,1,2,2-Tetrachloroethane	0.30	U	1.0	0.30	ug/L			08/26/24 20:45	1
1,2-Dichlorobenzene	0.20	U	5.0	0.20	ug/L			08/26/24 20:45	1

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

Lab Sample ID: MB 410-544648/7
Matrix: Water
Analysis Batch: 544648

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
Isopropylbenzene	0.30	U	5.0	0.30	ug/L			08/26/24 20:45	1
Bromochloromethane	0.20	U	5.0	0.20	ug/L			08/26/24 20:45	1
m&p-Xylene	2.0	U	5.0	2.0	ug/L			08/26/24 20:45	1
o-Xylene	0.40	U	1.0	0.40	ug/L			08/26/24 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/26/24 20:45*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*		*08/26/24 20:45*	*1*
4-Bromofluorobenzene (Surr)	*97*		*80 - 120*		*08/26/24 20:45*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/26/24 20:45*	*1*

Lab Sample ID: LCS 410-544648/4
Matrix: Water
Analysis Batch: 544648

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
cis-1,3-Dichloropropene	20.0	19.4		ug/L		97	75 - 120
trans-1,3-Dichloropropene	20.0	19.8		ug/L		99	67 - 120
Ethylbenzene	20.0	20.7		ug/L		104	80 - 120
Styrene	20.0	20.9		ug/L		105	80 - 120
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
1,2-Dibromoethane	20.0	20.1		ug/L		101	77 - 120
1,2-Dichloroethane	20.0	22.0		ug/L		110	73 - 124
1,2,3-Trichlorobenzene	20.0	20.9		ug/L		105	66 - 120
4-Methyl-2-pentanone	250	314		ug/L		125	62 - 133
Methylcyclohexane	20.0	18.7		ug/L		94	67 - 121
Toluene	20.0	20.7		ug/L		104	80 - 120
Chlorobenzene	20.0	20.9		ug/L		104	80 - 120
Cyclohexane	20.0	19.2		ug/L		96	68 - 126
1,2,4-Trichlorobenzene	20.0	21.3		ug/L		106	63 - 120
Dibromochloromethane	20.0	21.5		ug/L		107	71 - 120
Xylenes, Total	60.0	61.6		ug/L		103	80 - 120
Tetrachloroethene	20.0	21.5		ug/L		107	80 - 120
cis-1,2-Dichloroethene	20.0	21.0		ug/L		105	80 - 125
trans-1,2-Dichloroethene	20.0	22.4		ug/L		112	80 - 126
Methyl tertiary butyl ether	20.0	19.3		ug/L		97	69 - 122
1,3-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 120
Carbon tetrachloride	20.0	22.4		ug/L		112	64 - 134
2-Hexanone	250	324		ug/L		129	56 - 135
Acetone	250	262		ug/L		105	57 - 143
Chloroform	20.0	21.6		ug/L		108	80 - 120
Benzene	20.0	20.5		ug/L		102	80 - 120
1,1,1-Trichloroethane	20.0	21.7		ug/L		109	73 - 120
Bromomethane	20.0	16.7		ug/L		84	53 - 128
Chloromethane	20.0	18.4		ug/L		92	39 - 134
Chloroethane	20.0	18.9		ug/L		95	55 - 123
Vinyl chloride	20.0	16.9		ug/L		84	56 - 120

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

Lab Sample ID: LCS 410-544648/4
Matrix: Water
Analysis Batch: 544648

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
1,4-Dioxane			500	486		ug/L		97	57 - 157		
Methylene Chloride			20.0	22.4		ug/L		112	80 - 120		
Carbon disulfide			20.0	23.6		ug/L		118	65 - 128		
Bromoform			20.0	21.9		ug/L		109	51 - 120		
Bromodichloromethane			20.0	21.1		ug/L		106	71 - 120		
1,1-Dichloroethane			20.0	22.9		ug/L		114	80 - 120		
1,1-Dichloroethene			20.0	23.4		ug/L		117	80 - 131		
Trichlorofluoromethane			20.0	17.0		ug/L		85	51 - 120		
Dichlorodifluoromethane			20.0	15.2		ug/L		76	26 - 127		
Freon 113			20.0	20.3		ug/L		102	57 - 122		
1,2-Dichloropropane			20.0	21.1		ug/L		106	80 - 120		
2-Butanone			250	283		ug/L		113	59 - 135		
1,1,2-Trichloroethane			20.0	20.8		ug/L		104	80 - 120		
Trichloroethene			20.0	20.5		ug/L		102	80 - 120		
Methyl acetate			20.0	31.3		ug/L		157	48 - 168		
1,1,2,2-Tetrachloroethane			20.0	20.5		ug/L		102	72 - 120		
1,2-Dichlorobenzene			20.0	20.9		ug/L		105	80 - 120		
1,2-Dibromo-3-Chloropropane			20.0	20.5		ug/L		102	60 - 120		
Isopropylbenzene			20.0	23.4		ug/L		117	80 - 120		
Bromochloromethane			20.0	21.8		ug/L		109	80 - 120		
m&p-Xylene			40.0	41.2		ug/L		103	80 - 120		
o-Xylene			20.0	20.4		ug/L		102	80 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

Lab Sample ID: LCSD 410-544648/5
Matrix: Water
Analysis Batch: 544648

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
cis-1,3-Dichloropropene			20.0	18.1		ug/L		91	75 - 120	7	30
trans-1,3-Dichloropropene			20.0	18.4		ug/L		92	67 - 120	7	30
Ethylbenzene			20.0	19.7		ug/L		98	80 - 120	5	30
Styrene			20.0	19.8		ug/L		99	80 - 120	6	30
1,4-Dichlorobenzene			20.0	19.8		ug/L		99	80 - 120	6	30
1,2-Dibromoethane			20.0	19.3		ug/L		96	77 - 120	4	30
1,2-Dichloroethane			20.0	20.7		ug/L		104	73 - 124	6	30
1,2,3-Trichlorobenzene			20.0	19.7		ug/L		99	66 - 120	6	30
4-Methyl-2-pentanone			250	290		ug/L		116	62 - 133	8	30
Methylcyclohexane			20.0	17.4		ug/L		87	67 - 121	8	30
Toluene			20.0	19.4		ug/L		97	80 - 120	6	30
Chlorobenzene			20.0	19.4		ug/L		97	80 - 120	8	30
Cyclohexane			20.0	18.0		ug/L		90	68 - 126	7	30
1,2,4-Trichlorobenzene			20.0	19.8		ug/L		99	63 - 120	7	30

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

Lab Sample ID: LCSD 410-544648/5
Matrix: Water
Analysis Batch: 544648

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dibromochloromethane			20.0	19.8		ug/L		99	71 - 120	8	30
Xylenes, Total			60.0	58.1		ug/L		97	80 - 120	6	30
Tetrachloroethene			20.0	20.0		ug/L		100	80 - 120	7	30
cis-1,2-Dichloroethene			20.0	19.6		ug/L		98	80 - 125	7	30
trans-1,2-Dichloroethene			20.0	20.3		ug/L		102	80 - 126	10	30
Methyl tertiary butyl ether			20.0	18.1		ug/L		91	69 - 122	6	30
1,3-Dichlorobenzene			20.0	19.5		ug/L		98	80 - 120	7	30
Carbon tetrachloride			20.0	20.8		ug/L		104	64 - 134	8	30
2-Hexanone			250	307		ug/L		123	56 - 135	5	30
Acetone			250	275		ug/L		110	57 - 143	5	30
Chloroform			20.0	19.9		ug/L		100	80 - 120	8	30
Benzene			20.0	19.1		ug/L		96	80 - 120	7	30
1,1,1-Trichloroethane			20.0	20.1		ug/L		100	73 - 120	8	30
Bromomethane			20.0	16.3		ug/L		81	53 - 128	3	30
Chloromethane			20.0	17.1		ug/L		86	39 - 134	7	30
Chloroethane			20.0	17.6		ug/L		88	55 - 123	7	30
Vinyl chloride			20.0	15.7		ug/L		79	56 - 120	7	30
1,4-Dioxane			500	452		ug/L		90	57 - 157	7	30
Methylene Chloride			20.0	20.0		ug/L		100	80 - 120	12	30
Carbon disulfide			20.0	21.5		ug/L		107	65 - 128	10	30
Bromoform			20.0	20.4		ug/L		102	51 - 120	7	30
Bromodichloromethane			20.0	20.0		ug/L		100	71 - 120	6	30
1,1-Dichloroethane			20.0	21.1		ug/L		106	80 - 120	8	30
1,1-Dichloroethene			20.0	21.3		ug/L		107	80 - 131	9	30
Trichlorofluoromethane			20.0	16.0		ug/L		80	51 - 120	6	30
Dichlorodifluoromethane			20.0	14.1		ug/L		70	26 - 127	8	30
Freon 113			20.0	18.2		ug/L		91	57 - 122	11	30
1,2-Dichloropropane			20.0	19.8		ug/L		99	80 - 120	7	30
2-Butanone			250	267		ug/L		107	59 - 135	6	30
1,1,2-Trichloroethane			20.0	19.7		ug/L		99	80 - 120	5	30
Trichloroethene			20.0	18.8		ug/L		94	80 - 120	9	30
Methyl acetate			20.0	28.5		ug/L		142	48 - 168	10	30
1,1,2,2-Tetrachloroethane			20.0	19.6		ug/L		98	72 - 120	5	30
1,2-Dichlorobenzene			20.0	19.4		ug/L		97	80 - 120	7	30
1,2-Dibromo-3-Chloropropane			20.0	19.5		ug/L		98	60 - 120	5	30
Isopropylbenzene			20.0	21.9		ug/L		110	80 - 120	7	30
Bromochloromethane			20.0	20.3		ug/L		101	80 - 120	7	30
m&p-Xylene			40.0	38.7		ug/L		97	80 - 120	6	30
o-Xylene			20.0	19.4		ug/L		97	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
4-Bromofluorobenzene (Surr)	*99*		*80 - 120*
Toluene-d8 (Surr)	*102*		*80 - 120*

QC Association Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

GC/MS VOA

Analysis Batch: 544648

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
410-185079-1	GW2024-ERM-MW-11M-D	Total/NA	Water	8260D	
410-185079-2	GW2024-ERM-MW-01	Total/NA	Water	8260D	
410-185079-3	GW2024-ERM-MW-02	Total/NA	Water	8260D	
410-185079-4	GW2024-ERM-MW-02D	Total/NA	Water	8260D	
410-185079-5	GW2024-ERM-MW-05	Total/NA	Water	8260D	
410-185079-6	GW2024-ERM-MW-09	Total/NA	Water	8260D	
410-185079-7	GW2024-ERM-MW-11S	Total/NA	Water	8260D	
410-185079-8	GW2024-ERM-MW-11M	Total/NA	Water	8260D	
410-185079-9	GW2024-ERM-MW-11D	Total/NA	Water	8260D	
410-185079-10	GW2024-ERM-MW-12M	Total/NA	Water	8260D	
410-185079-11	GW2024-ERM-MW-13S	Total/NA	Water	8260D	
410-185079-12	GW2024-ERM-MW-13D	Total/NA	Water	8260D	
410-185079-13	GW2024-ERM-MW-14D	Total/NA	Water	8260D	
410-185079-14	EB1-DWG20240820	Total/NA	Water	8260D	
410-185079-15	TB1-DWG20240820	Total/NA	Water	8260D	
MB 410-544648/7	Method Blank	Total/NA	Water	8260D	
LCS 410-544648/4	Lab Control Sample	Total/NA	Water	8260D	
LCSD 410-544648/5	Lab Control Sample Dup	Total/NA	Water	8260D	

Lab Chronicle

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-11M-D — Lab Sample ID: 410-185079-1

Date Collected: 08/20/24 12:20 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/26/24 23:28

Client Sample ID: GW2024-ERM-MW-01 — Lab Sample ID: 410-185079-2

Date Collected: 08/20/24 10:45 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/26/24 23:48

Client Sample ID: GW2024-ERM-MW-02 — Lab Sample ID: 410-185079-3

Date Collected: 08/20/24 11:15 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 00:09

Client Sample ID: GW2024-ERM-MW-02D — Lab Sample ID: 410-185079-4

Date Collected: 08/20/24 11:30 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 00:29

Client Sample ID: GW2024-ERM-MW-05 — Lab Sample ID: 410-185079-5

Date Collected: 08/20/24 10:15 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 00:49

Client Sample ID: GW2024-ERM-MW-09 — Lab Sample ID: 410-185079-6

Date Collected: 08/20/24 07:25 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 01:09

Client Sample ID: GW2024-ERM-MW-11S — Lab Sample ID: 410-185079-7

Date Collected: 08/20/24 12:00 — **Matrix: Water**
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 01:30

Lab Chronicle

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: GW2024-ERM-MW-11M
Lab Sample ID: 410-185079-8
Date Collected: 08/20/24 12:20
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 01:50

Client Sample ID: GW2024-ERM-MW-11D
Lab Sample ID: 410-185079-9
Date Collected: 08/20/24 12:40
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 02:10

Client Sample ID: GW2024-ERM-MW-12M
Lab Sample ID: 410-185079-10
Date Collected: 08/20/24 09:45
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 02:31

Client Sample ID: GW2024-ERM-MW-13S
Lab Sample ID: 410-185079-11
Date Collected: 08/20/24 09:00
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 02:51

Client Sample ID: GW2024-ERM-MW-13D
Lab Sample ID: 410-185079-12
Date Collected: 08/20/24 09:10
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 03:11

Client Sample ID: GW2024-ERM-MW-14D
Lab Sample ID: 410-185079-13
Date Collected: 08/20/24 08:00
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/27/24 03:31

Client Sample ID: EB1-DWG20240820
Lab Sample ID: 410-185079-14
Date Collected: 08/20/24 13:00
Matrix: Water
Date Received: 08/21/24 10:25

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/26/24 21:47

Lab Chronicle

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Client Sample ID: TB1-DWG20240820

Date Collected: 08/20/24 07:00
Date Received: 08/21/24 10:25

Lab Sample ID: 410-185079-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	8260D		1	544648	JS6E	ELLE	08/26/24 21:26

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Accreditation/Certification Summary

Client: DuPont Specialty Products USA LLC
Job ID: 410-185079-1
Project/Site: GW Sampling

Laboratory: Eurofins Lancaster Laboratories Environment Testing, LLC

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10670	04-01-25

Method Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

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

Protocol References:

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

Laboratory References:

ELLE = Eurofins Lancaster Laboratories Environment Testing, LLC, 2425 New Holland Pike, Lancaster, PA 17601, TEL (717)656-2300

Sample Summary

Client: DuPont Specialty Products USA LLC
Project/Site: GW Sampling

Job ID: 410-185079-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
410-185079-1	GW2024-ERM-MW-11M-D	Water	08/20/24 12:20	08/21/24 10:25
410-185079-2	GW2024-ERM-MW-01	Water	08/20/24 10:45	08/21/24 10:25
410-185079-3	GW2024-ERM-MW-02	Water	08/20/24 11:15	08/21/24 10:25
410-185079-4	GW2024-ERM-MW-02D	Water	08/20/24 11:30	08/21/24 10:25
410-185079-5	GW2024-ERM-MW-05	Water	08/20/24 10:15	08/21/24 10:25
410-185079-6	GW2024-ERM-MW-09	Water	08/20/24 07:25	08/21/24 10:25
410-185079-7	GW2024-ERM-MW-11S	Water	08/20/24 12:00	08/21/24 10:25
410-185079-8	GW2024-ERM-MW-11M	Water	08/20/24 12:20	08/21/24 10:25
410-185079-9	GW2024-ERM-MW-11D	Water	08/20/24 12:40	08/21/24 10:25
410-185079-10	GW2024-ERM-MW-12M	Water	08/20/24 09:45	08/21/24 10:25
410-185079-11	GW2024-ERM-MW-13S	Water	08/20/24 09:00	08/21/24 10:25
410-185079-12	GW2024-ERM-MW-13D	Water	08/20/24 09:10	08/21/24 10:25
410-185079-13	GW2024-ERM-MW-14D	Water	08/20/24 08:00	08/21/24 10:25
410-185079-14	EB1-DWG20240820	Water	08/20/24 13:00	08/21/24 10:25
410-185079-15	TB1-DWG20240820	Water	08/20/24 07:00	08/21/24 10:25

Environme

410-185079 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing

Sampler: Ariana Martinez	Lab PM: Badman, Vanessa	Carrier Tracking No(s):	COC No: 410-127159-35500.2
Phone: 862-210-4144	E-Mail: Vanessa.Badman@et.eurofinsus.com	State of Origin: NY	Page: Page 1 of 2

Beatriz Drumheller

Company: DuPont Specialty Products USA LLC — PWSID:

Address: 248 Chapman Road Suite 101
City: Newark
State, Zip: DE, 19702
Phone: 610-314-1256(Tel)
Email: Beatriz.Drumheller@aecom.com
Project Name: GW Sampling
Site: MEL

Due Date Requested:
TAT Requested (days): STD
Compliance Project: Δ Yes Δ No
PO #: 7500070435
WO #: 9267-7720100C-WH06-502641
Project #: 41020776
SSOW#:

Analysis Requested

Job #:

Preservation Codes: A - HCL

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - (MOD) TCL VOCs 4.3	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
GW_2024-ERM-MW-11M-D	8/20/24	1220	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-01		1045	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-02		1115	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-02D		1130	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-05		1015	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-09		0725	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-11S		1200	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-11M		1220	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-11D		1240	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-12M		0945	Grab	Water	N	N	X	3	
GW_2024-ERM-MW-13S	↓	0900	Grab	Water	N	N	X	3	

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by:	Date/Time: 8/16/24 1200	Company: BCB	Received by:	Date/Time: 8/16/24 1200	Company: WSP
Relinquished by:	Date/Time: 8/20/24 1400	Company: WSP	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time: 8/21/24 025	Company: ENET

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 2.0 - 4.4 C

Eurofins Lancaster Laboratories Environme
2425 New Holland Pike
Lancaster, PA 17601
Phone (717) 656-2300

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Ariana Martinez	Lab PM: Badman, Vanessa	Carrier Tracking No(s):	COC No: 410-127159-35500.2
Client Contact: Beatriz Drumheller	Phone: 862-210-4144	E-Mail: Vanessa.Badman@et.eurofinsus.com	State of Origin: NY	Page: Page 2 of 2
Company: DuPont Specialty Products USA LLC	PWSID:	Analysis Requested		Job #:
Address: 248 Chapman Road Suite 101	Due Date Requested:			Preservation Codes: A - HCL
City: Newark	TAT Requested (days): STD			
State, Zip: DE, 19702	Compliance Project: Δ Yes Δ No			
Phone: 610-314-1256(Tel)	PO #: 7500070435			
Email: Beatriz.Drumheller@aecom.com	WO #: 9267-7720100C-WH06-502641			
Project Name: GW Sampling	Project #: 41020776			Other:
Site: MEL	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260D - (MOD) TCL VOCs 4.3	Total Number of containers	Special Instructions/Note:
			Preservation Code:				A		
GW 2024-ERM-MW-13D	8/20/24	0910	Grab	Water	N	N	X	3	
GW 2024-ERM-MW-14D	↓	0800	Grab	Water	N	N	X	3	
EB1-DWG 20240820		1300	Grab	Water	N	N	X	3	
~~EB2-DWG~~			Grab	Water	N	N	X	~~3~~	
TB1-DWG 20240820	8/20/24	0700	Grab	Water	N	N	X	2	
~~TB2-DWG~~			Grab	Water	N	N	X	~~3~~	

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	8/20/24 1400	WSP	[signature]		
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 8/20/24 1525	Company ENET

Custody Seals Intact: ☒ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 1: 4.4 2: 4.4

Login Sample Receipt Checklist

Client: DuPont Specialty Products USA LLC

Job Number: 410-185079-1

Login Number: 185079
List Number: 1
Creator: Arroyo, Haley

List Source: Eurofins Lancaster Laboratories Environment Testing, LLC

Question	Answer	Comment
The cooler's custody seal is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature acceptable,where thermal pres is required(</=6C, not frozen).	True	
Cooler Temperature is recorded.	True	
WV:Container Temp acceptable,where thermal pres is required (</=6C, not frozen).	N/A	
WV: Container Temperature is recorded.	N/A	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses.	True	
Is the Field Sampler's name present on COC?	True	
Sample custody seals are intact.	True	
VOA sample vials do not have headspace >6mm in diameter (none, if from WV)?	True	

ENCLOSURE C – WELL INSTALLATION RECORDS (NYSDEC – OCTOBER 2024)

WELL_NO	welltype	owner	mailstreet	mailtownzip	wellstreet	welltown	diameter	depth	casl	screendia	screenl	pumpcap	longitude	latitude	Preliminary Report
S136377D	geothermal diffusion	Henry Schein Inc	135 Duryea Road	Melville, NY 11747	135 Duryea Road	Melville	6	210	158	16	50		-73.416777778	40.767583333	7/30/2024
S136376D	geothermal diffusion	Henry Schein Inc	135 Duryea Road	Melville, NY 11747	135 Duryea Road	Melville	6	210	158	6	50		-73.416833333	40.767805556	7/30/2024
S021020	geothermal - ac only	Underwriters Laboratories Inc.	1285 Walt Whitman Road,	Melville, NY 11747	1285 Walt Whitman Road	Melville	8	215	169	8	10	400	-73.419008	40.787689	6/21/2024

R:\ACAD\CADD_CLIENT\New York Twist Drill\31403323.000\CAD\314V3323.000-001.dwg 9/8/2021 5:37 PM USEC01012

B

LEGEND
OU–2 BOUNDARY
FORMER NYTD SITE
MONITORING WELL

Broad Hollow Road
Melville Park Road
Huntington Quadrangle
Corporate Center Drive
Maxess Road
Baylis Road
Duryea Road
Ruland Road

MW-35
MW-34
SCDHS-MPR-01
ERM-MW-01
ERM-MW-02
ERM-MW-02D
ERM-MW-06
ERM-MW-05
ERM-MW-09
ERM-MW-04
ERM-MW-07
ERM-MW-07D
ERM-MW-08
ERM-MW-10
ERM-MW-03
ERM-MW-11S
ERM-MW-11M
ERM-MW-11D
ERM-MW-12S
ERM-MW-12M
ERM-MW-13D
ERM-MW-13S
ERM-MW-14D
ERM-MW-14S

N

0 400 800
SCALE IN FEET

THE ORIGINAL VERSION OF THIS DRAWING IS IN COLOR. BLACK AND WHITE COPIES MAY NOT ACCURATELY DEPICT CERTAIN INFORMATION.

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

FIGURE 1

OU–2 OFF–SITE BOUNDARY MAP

NEW YORK TWIST DRILL SITE
MELVILLE, NEW YORK

PREPARED FOR
NEW YORK TWIST DRILL

Drawn By: EGC
Checked: AK 9/8/2021
Approved:
DWG Name: 314V3323.000–001

W136163-091124 - Freedom of Information Law Request

Message History (3)

On 10/7/2024 11:08:16 AM, New York DEC FOIL Center wrote:

Subject: Freedom of Information Law Request :: W136163-091124
Body:
RE: PUBLIC RECORDS REQUEST of 9/11/2024, Reference # W136163-091124

Date: 10/07/2024

Dear VP, Environmental Engineer Ajay Kathuria,

In response to your Freedom of Information Law (FOIL) request seeking:

> *WSP is looking to obtain Well Installation Records from August 2023 to current date (i.e. since last FOIL request in 2023), for the search area in Melville, NY for the purpose of 2024 Periodic Review Report (PRR) to NYSDEC.*
>
> *Location reference (Melville, NY):*
> *South of Melville Park Road and North of Ruland Road. East of Route 110 and West of Pinelawn Road.*
>
> *See uploaded Figure 1 for search area boundary outlined in PINK ("OU-2 BOUNDARY).*

Please be advised that records identified as responsive to your request are uploaded to DEC's online FOIL request system. Please visit our customer portal by clicking here to log into your DEC FOIL account, where you can view and download the records.

If you believe you have been unlawfully denied access to responsive records, you have the right to appeal. Such an appeal must be submitted in writing, within thirty (30) days of the date of this email, and directed to:

> FOIL Appeals Officer
> Office of General Counsel
> New York State Department of Environmental Conservation
> 625 Broadway, 14th Floor
> Albany, New York 12233-1500

Your FOIL request is now closed. For further assistance, please call 631 444-0202 and reference FOIL #W136163-091124. Thank you.

Sincerely,

Region 1 FOIL Coordinator

On 9/11/2024 10:18:12 AM, New York DEC FOIL Center wrote:

Dear Ajay:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 9/11/2024 and given the reference number FOIL #W136163-091124 for tracking purposes. You may expect the Department's response to your request no later than **10/9/2024**.

Record Requested: **WSP is looking to obtain Well Installation Records from August 2023 to current date (i.e. since last FOIL request in 2023), for the search area in Melville, NY for the purpose of 2024 Periodic Review Report (PRR) to NYSDEC.**

Location reference (Melville, NY):
South of Melville Park Road and North of Ruland Road. East of Route 110 and West of Pinelawn Road.

See uploaded Figure 1 for search area boundary outlined in PINK ("OU-2 BOUNDARY).

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

Click here to login to the FOIL Center.

New York State Department of Environmental Conservation, Record Access Office

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Track the issue status and respond at:
https://newyorkdec.govqa.us/WEBAPP//_rs/RequestEdit.aspx?rid=136163

On 9/11/2024 10:18:10 AM, Ajay Kathuria wrote:

Request Created on Public Portal