Groundwater Monitoring Report
(March 2024 Event)
Crown Dykman (130054)
Glen Cove, New York

Prepared for

New York State Department of Environmental Conservation
625 Broadway
Albany, New York 12233

Prepared by

EA Engineering, P.C. and Its Affiliate
EA Science and Technology
Washington Station
333 West Washington Street, Suite 300
Syracuse, New York 13202
315-431-4610

October 2024
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7 October 2024

Donald Conan, PE, PG, Program Manager — Date
EA Engineering, P.C.

7 October 2024

Joshua Oliver, PG, Project Manager — Date
EA Science and Technology

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
%	Percent
AWQS	Ambient water quality standards and guidance values
DCE	Dichloroethene
DO	Dissolved oxygen
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EEA	Energy and Environmental Analysts, Inc.
EPA	U.S. Environmental Protection Agency
IRM	Interim Remedial Measure
ISCO	In situ chemical oxidation
mg/L	Milligram(s) per liter
ng/L	Nanogram(s) per liter
No.	Number
NTU	Nephelometric turbidity unit
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation-reduction potential
PCE	Tetrachloroethene
P.E.	Professional Engineer
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
P.G.	Professional Geologist
Q1	Quarter 1
Q4	Quarter 4
ROD	Record of Decision
SVE	Soil vapor extraction
SVOC	Semivolatile organic compound
TCA	Trichloroethane
TCE	Trichloroethene
VOC	Volatile organic compound

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1. INTRODUCTION

EA Engineering, P.C. and its affiliate EA Science and Technology (EA) were tasked by the New York State Department of Environmental Conservation (NYSDEC) under Work Assignment No. D009806-34 to perform site management tasks at the Crown Dykman site (No. 130054) located in the city of Glen Clove, Nassau County, New York (**Figure 1**). This Groundwater Monitoring Report documents the March 2024 groundwater monitoring event. The site inspection and groundwater monitoring activities were completed in accordance with the applicable guidelines and requirements of NYSDEC.

The primary contaminants of concern at the site include the chlorinated solvent tetrachloroethene (PCE) and its degradation compounds trichloroethene (TCE), 1,2-dichloroethene (DCE), and vinyl chloride (NYSDEC 2021). Remedial actions have included source tank and soil removal, and in situ chemical oxidation (ISCO) injections, with the latest ISCO injection completed in March 2022. Annual site inspections and quarterly groundwater sampling are being conducted to periodically evaluate the monitoring well network for damage and to monitor the effectiveness of ISCO injections and residual chlorinated volatile organic compound (VOC) impacts in site groundwater. A Site Management Plan for the site is currently under development.

1.1 SITE DESCRIPTION AND LOCATION

The Crown Dykman site is located at 66 Herb Hill Road, Glen Cove, New York (**Figures 1 and 2**). The site is a 1-acre parcel approximately 175 by 250 feet in area and is currently vacant with gravel and asphalt surface. Surrounding parcels are a combination of commercial and residential properties. The site is bounded by Herb Hill Road and residential condominiums to the south, a vacant lot to the north and east formerly occupied by the former Konica-Minolta Industrial Facility, and residential condominiums to the west. The residential properties to the south and west are located on the former Li Tungsten Superfund Site Parcels A and B. To the north of the site, within the Konica Minolta property, is the Powers Chemco site. Glen Cove Creek is approximately 400 feet south of the site.

The Site formerly contained a one-story cinder block and brick building constructed on a concrete slab, occupied by a former laundry and dry-cleaning facility. Historically, a water-based laundry service, dry-cleaning facilities, and automotive repair shops have operated on-site (Malcolm Pirnie 2009). The site was occupied by Dykman Laundry and Cleaners from 1932 through 1975. Crown Uniform Services, a dry cleaner and uniform service, occupied the building from 1975 to 1983. Crown Uniform Services originally used a petroleum-based Stoddard solvent to launder the uniforms; however, the Stoddard solvent was later replaced by PCE. Since the closing of Crown Uniform Services, several other businesses occupied the former building, including auto repair businesses, S&W Cleaners (a water-based cleaning service), and a woodworking shop (Malcom Pirnie 2009). Remedial actions at the site have included sodium permanganate ISCO injections, installation and operation of a soil vapor extraction system, and source area soil excavation. The building was demolished as part of the remedial action construction contract in 2021 (Arcadis of New York, Inc. 2023). The site is currently being monitored for VOCs on a quarterly basis, and per- and polyfluoroalkyl substances (PFAS) on an annual basis.

1.2 OBJECTIVES

Groundwater sampling was conducted in March 2024 to characterize the current groundwater plume and to evaluate whether PFAS and 1,4-dioxane have impacted the site groundwater.

This data report summarizes the results of groundwater sampling field activities conducted in March 2024. Recommendations for future remedial action at the site are being formulated and will be submitted under separate cover in an ISCO injection evaluation memorandum.

1.3 REPORT ORGANIZATION

A summary of the March 2024 groundwater sampling activities is provided in Section 2. March 2024 analytical results are presented in Section 3. Conclusions and recommendations are discussed in Section 4.

The following are also provided as appendices:

- **Appendix A—** Daily Field Reports
- **Appendix B—** Field Equipment Calibration Forms
- **Appendix C—** Groundwater Sampling Purge Forms
- **Appendix D—** Chain-of-Custody

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2. FIELD ACTIVITIES

2.1 SITE INSPECTION

The most recent site inspection was conducted on 4-5 December 2023 and is described in the December 2023 Groundwater Monitoring Report (EA 2024). The next site inspection will occur during the fourth quarter 2024 sampling event.

2.2 GROUNDWATER MONITORING

Groundwater sampling was conducted on 18-20 March 2024, with samples collected from 15 wells (MW-1D, MW-1DD, MW-5R, MW-7RS, MW-7D, MW-8, MW-11, MW-21S, MW-21D, MW-22RS, MW-22RD, MW-25RS, MW-25RD, MW-30S, and MW-30D). Six wells (MW-1, MW-2, MW-3, MW-4R, MW-23S, and MW-23D) were not located or located and only gauged. Daily field reports for the March 2024 event are provided in **Appendix A**.

Groundwater purging and sampling was conducted using low-flow sampling techniques. A log of the field equipment calibration records is provided in **Appendix B**. Water levels and water quality parameters were recorded on groundwater sampling purge forms provided in **Appendix C**.

Quality assurance/quality control samples collected for groundwater samples included one matrix spike/matrix spike duplicate, one field duplicate, three field blanks (VOCs only), and one trip blank (VOCs only). Each groundwater sample was collected for off-site laboratory analysis of VOCs by U.S. Environmental Protection Agency (EPA) Method SW8260D, semivolatile organic compounds (SVOCs) by EPA Method SW8270, total metals by EPA Methods SW6010D and SW7470A, and emerging contaminants (PFAS by EPA Method 1633 and 1,4-dioxane by EPA Method SW8270E-SIM). Four wells (MW-11, MW-21D, MW-21S, and MW-30S) were additionally sampled and analyzed for dissolved metals by EPA Methods SW6010D and SW7470A due to sustained high turbidity. Sample identifications, sample dates/times, and quality assurance/quality control sample locations are presented in **Table 1**.

Samples were placed on ice in sample coolers immediately after collection to ensure proper preservation. Pertinent sample information was recorded on the associated chain-of-custody (**Appendix D**), and samples were shipped overnight via Federal Express to SGS North America Inc. in Dayton, New Jersey under secure chain-of-custody protocol. Analytical reports are available upon request. Groundwater levels and well depths were recorded at each well following completion of sampling using an electronic water level meter and recorded to the nearest hundredth of a foot. Measurements were recorded from a designated measuring point on top of the inner polyvinyl chloride well casing. Well construction information, along with groundwater and well depths from the March 2024 sampling event, is provided in **Table 2**.

Purge water generated during groundwater sampling was containerized in 55-gallon steel drums and staged on-site, pending offsite disposal by AARCO Environmental Services. Waste disposal manifests for each event are kept on record. Non-contaminated trash and debris (e.g., wastepaper, food and beverage containers, and expendables) was placed in a trash dumpster and disposed of

by a local garbage hauler. Expendable materials used during the investigation (e.g., used tubing, nitrile gloves, etc.) were double-bagged and properly disposed of as general debris/trash.

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3. GROUNDWATER ANALYTICAL RESULTS

Historical analytical results are summarized in **Table 3** (VOCs), **Table 4** (SVOCs), **Table 5** (metals), and **Table 6** (PFAS and 1,4-dioxane). The results of the March 2024 sampling event are discussed below. Groundwater analytical results were compared to the NYSDEC Class GA ambient water quality standards and guidance values (AWQS) (6 New York Code of Rules and Regulations Part 703.5 Water Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1, 1998, as amended). Groundwater at the site flows southward towards Glen Cove Creek (**Figure 3**).

3.1 VOLATILE ORGANIC COMPOUNDS (VOCS)

Sixteen VOCs were detected in groundwater samples collected during the March 2024 sampling event, as presented in **Table 3**. Chlorinated VOCs including PCE, TCE, c*is*-1,2-DCE, t*rans*-1,2-DCE, and vinyl chloride were detected in groundwater at concentrations exceeding the Class GA AWQS in 14 wells located in the southwest corner of the site, as summarized below and presented on **Figure 4**.

- PCE: exceeded the Class GA AWQS of 5 micrograms per liter (µg/L) at 7 wells (MW-1D, MW-1DD, MW-7D, MW-7RS, MW-21S, MW-25RS, and MW-25RD) with concentrations ranging from 12.8 µg/L (MW-1DD) to 174 µg/L (MW-7RS).

- TCE: exceeded the Class GA AWQS of 5 µg/L at 5 wells (MW-1D, MW-1DD, MW-7D, MW-7RS, and MW-25RD), with concentrations ranging from 6.9 µg/L (MW-1DD) to 133 µg/L (MW-7RS).

- C*is*-1,2-DCE: exceeded the Class GA AWQS of 5 µg/L at 13 wells (MW-1D, MW-1DD, MW-7D, MW-7RS, MW-8, MW-11, MW-21D, MW-22RS, MW-22RD, MW-25RS, MW-25RD, and MW-30S, MW-30D) with concentrations ranging from 12 µg/L (MW-25RS) to 4,770 µg/L (MW-21D).

- *Trans*-1,2-DCE: exceeded the Class GA AWQS of 5 µg/L at MW-21D (178 µg/L) and MW-22RS (8 µg/L).

- Vinyl chloride: exceeded the Class GA AWQS of 2 µg/L at nine wells (MW-1D, MW-7RS, MW-8, MW-11, MW-21D, MW-22RS, MW-22RD, MW-25RD, and MW-30D) with concentrations ranging from 4.3 µg/L at MW-7D to 235 µg/L at MW-21D.

Petroleum-related VOCs including benzene, ethylbenzene, isopropylbenzene, toluene, and/or xylene concentrations were detected at two wells (MW-8 and MW-11) at concentrations in exceeding the Class GA AWQS.

- Benzene: exceeded the Class GA AWQS of 1 µg/L at MW-11 only (3.6 µg/L).

- Ethylbenzene: exceeded the Class GA AWQS of 5 µg/L at MW-8 (69.1 µg/L) and MW-11 (13.7 µg/L).

- Isopropylbenzene: exceeded the Class GA AWQS of 5 µg/L at MW-8 (39.2 µg/L) and MW-11 (6.2 µg/L).

- o-xylene: exceeded the Class GA AWQS of 5 µg/L at MW-8 (397 µg/L) and MW-11 (36.5 µg/L).

- Toluene: exceeded the Class GA AWQS of 5 µg/L at MW-8 (29.6 µg/L) and MW-11 (6.3 µg/L).

- Total xylenes: exceeded the Class GA AWQS of 5 µg/L at MW-8 (932 µg/L) and MW-11 (67.2 µg/L).

3.2 SEMIVOLATILE ORGANIC COMPOUNDS

Two SVOCs were detected in groundwater samples collected during the March 2024 sampling event, as presented in **Table 4**. Naphthalene was the only SVOC detected in exceedance of the Class GA AWQS of 10 µg/L at MW-8 (46.2 µg/L).

3.3 METALS

The total and dissolved metals in exceedance of the Class GA AWQS are discussed in the sections below.

3.3.1 Total Metals

Fifteen metals were detected in groundwater samples collected during the March 2024 sampling event, as presented in **Table 5**. Metals including arsenic, barium, chromium, iron, manganese, sodium, and zinc were detected at concentrations exceeding the Class GA AWQS.

- Arsenic: exceeded the Class GA AWQS of 25 µg/L at MW-8 (38.3 µg/L) and MW-21S (30.4 µg/L). Arsenic was not detected in the filtered sample from MW-21S.

- Barium: exceeded the Class GA AWQS of 1000 µg/L at MW-21D (36,300 µg/L). The filtered sample for MW-21D yielded a barium concentration below detection limits.

- Chromium: exceeded the Class GA AWQS of 50 µg/L at MW-21D (3,820 µg/L). Chromium was not detected in the filtered sample from MW-21D.

- Iron: exceeded the Class GA AWQS of 300 µg/L at all 15 wells, with concentrations ranging from 336 µg/L (MW-7RS) to 1,820,000 µg/L (MW-21D). Iron was detected at 106 µg/L in the filtered sample from MW-21D.

- Manganese: exceeded the Class GA AWQS of 300 µg/L at all 15 wells, with concentrations ranging from 840 µg/L (MW-11) to 3,170,000 µg/L (MW-21D). Manganese was detected at a concentration of 9,550 µg/L in the filtered sample from MW-21D.

- Sodium: exceeded the Class GA AWQS of 20,000 µg/L at all wells except for MW-21D, with concentrations ranging from 37,600 µg/L (MW-11) to 121,000 µg/L (MW-22RS).

- Zinc: exceeded the Class GA AWQS of 2,000 µg/L at MW-21D with a concentration of 9,490 µg/L. Zinc was not detected in the filtered sample from MW-21D.

3.3.2 Dissolved metals

Groundwater from four wells (MW-11, MW-21S, MW-21D, and MW-30S) was filtered due to sustained high turbidity and was analyzed for dissolved metals and total metals. From the filtered groundwater samples, iron, manganese, and sodium were detected at concentrations exceeding the Class GA AWQS.

- Iron Class GA AWQS of 300 µg/L at MW-11 (6,750 µg/L).

- Manganese exceeded the Class GA AWQS of 300 µg/L at MW-11 (781 µg/L), MW-21D (9,550 µg/L), MW-21S (1,220 µg/L), and MW-30S (1,700 µg/L).

- Sodium exceeded the Class GA AWQS of 20,000 µg/L at MW-11 (39,800 µg/L), MW-21D (103,000 µg/L), MW-21S (70,000 µg/L), and MW-30S (59,600 µg/L).

3.4 EMERGING CONTAMINANTS (PFAS AND 1,4-DIOXANE)

Twenty-one PFAS analytes were detected in groundwater samples collected during the March 2024 sampling event, as presented in **Table 6**. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected at concentrations in exceedance of the NYSDEC Class GA AWQS as summarized below and presented on **Figure 7**.

- PFOS exceeded the Class GA AWQS of 2.7 nanograms per liter (ng/L) at each of the 15 wells sampled except for MW-30S, with concentrations ranging from 19.4 ng/L at MW-30D to 1,650 ng/L at MW-08.

- PFOA exceeded the Class GA AWQS of 6.7 ng/L at each of the 15 wells sampled except for MW-30S, with concentrations ranging from 8 ng/L at MW-21S to 97.3 ng/L at MW-11.

1,4-dioxane was not detected during the March 2024 sampling event. The Class GA AWQS for 1,4-dioxane is 0.35 µg/L.

4. CONCLUSIONS

Based on the March 2024 groundwater analytical results, chlorinated VOCs including PCE, TCE, c*is*-1,2-DCE, t*rans*-1,2-DCE, and vinyl chloride continue to be detected in groundwater in the southwest corner of the site at concentrations exceeding the Class GA AWQS. In addition, petroleum-related VOCs continue to be detected in wells along the western side of the property at concentrations exceeding the Class GA AWQS. PFOS and PFOA concentrations remain above the Class GA AWQS at most sample locations.

EA will continue periodic groundwater monitoring at the site; quarterly for VOCs, and annually for PFAS and 1,4-dioxane. Documentation of the condition of monitoring and injection wells will be conducted at least annually. Furthermore, EA recommends removing metals and SVOCs from the sampling program.

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5. REFERENCES

Arcadis of New York, Inc. 2023. *Final Engineering Report. Crown Dykman, Nassau County, New York. Draft*. March.

Malcolm Pirnie, Inc. 2009. *Remedial Investigation Report – Crown Dykman Site (Site #1-30-054), Glen Cove, New York*. December.

New York State Department of Environmental Conservation. 2021. *Amended Record of Decision – Crown Dykman Site, Glen Cove, New York.* May.

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Tables

Table 1. Summary of Samples Collected (March 2024)

Well ID	Sample ID	Sample Date	Sample Time	MS/MSD	Location
MW-01D	MW-1D-03192024	3/19/2024	15:07	--	On-site
MW-01DD	MW-1DD-03192024	3/19/2024	17:45	--	On-site
MW-05R	MW-5R-03182024	3/18/2024	11:33	**Y**	On-site
MW-07D	MW-7D-03192024	3/19/2024	15:38	--	On-site
MW-07RS	MW-7S-03192024	3/19/2024	14:18	--	On-site
MW-08	MW-8-03182024	3/18/2024	12:11	--	On-site
MW-11	MW-11-20240320	3/20/2024	09:20	--	On-site
MW-21D	MW-21D-03182024	3/18/2024	15:05	--	On-site
MW-21S	MW-21S-03182024	3/18/2024	17:32	--	On-site
MW-22RD	MW-22RD-03182024	3/18/2024	14:50	--	On-site
MW-22RS	MW-22RS-03182024	3/18/2024	17:13	--	On-site
MW-25RD	MW-25RD-03192024	3/19/2024	10:40	--	On-site
MW-25RS	MW-25RS-03192024	3/19/2024	12:24	--	On-site
MW-30D	MW-30D-03192024	3/19/2024	11:38	--	On-site
MW-30S	MW-30S-03202024	3/20/2024	09:30	--	On-site
QC Samples					
Well ID	**Sample ID**	**Sample Date**	**Sample Time**	**QC Type**	
MW-08	MW8-FD1-03182024	3/18/2024	12:11	Field Duplicate	
NA	FB1-03182024	3/18/2024	19:00	Field Blank	
NA	FB2-03192024	3/19/2024	19:00	Field Blank	
NA	FB3-03202024	3/20/2024	09:00	Field Blank	
NA	TB1-03202024	3/20/2024	09:10	Trip Blank	

Notes:
MW-21D and MW-21S were sampled for total and dissolved TAL Metals on 3/19/2024, as EA did not have filters on 3/18/2024.
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
NA = Not applicable/available
QC = Quality control

Table 2. Monitoring Well Construction

Well ID	Northing	Easting	Elevation (ft AMSL)	Screen Length (ft)	Screen Interval (ft bgs)		Screen Interval (ft AMSL)		2024 - Q1 Gauging	
					Top	Bottom	Top	Bottom	DTW (ft bgs)	DTW (ft AMSL)
MW-1	253427.3258	1084108.199	14.193	5	0.78	5.78	13.41	8.41	NA	NA
MW-1D	253425.4952	1084111.868	14.031	10	17.00	27.00	-2.97	-12.97	1.90	12.13
MW-1DD	253429.9299	1084112.502	15.26	5	27.88	32.88	-12.62	-17.62	3.27	11.99
MW-2	253477.71	1084236.638	16.65	10	13.69	23.69	2.96	-7.04	2.28	14.37
MW-3	253664.08	1084064.53	27.39	10	9.90	19.90	17.49	7.49	NA	NA
MW-4R	253639.97	1084169.21	20.7	10	8.76	18.76	11.94	1.94	0.00	20.70
MW-5R	253624.8	1084004.49	25.92	10	12.15	22.15	13.77	3.77	6.45	19.47
MW-7RS	253460.79	1084171.26	19.9	10	9.00	19.00	10.90	0.90	6.59	13.31
MW-7D	253457.99	1084169.79	19.86	5	19.00	24.00	0.86	-4.14	6.90	12.96
MW-8	253502.6652	1084071.608	20.95	10	4.52	14.52	16.43	6.43	5.40	15.55
MW-11	253524.2597	1084064.479	21.339	5	4.56	9.56	16.78	11.78	3.92	17.42
MW-21S	253447.8705	1084075.015	16.71	10	2.80	12.80	13.91	3.91	0.95	15.76
MW-21D	253450.2446	1084073.761	16.91	10	12.60	22.60	4.31	-5.69	2.23	14.68
MW-23S	253434.6458	1084135.27	15.1	10	2.00	12.00	13.10	3.10	NA	NA
MW-23D	253432.6943	1084137.451	15.01	10	9.38	19.38	5.63	-4.37	NA	NA
MW-22RD	253429.315	1084083.595	15.02	10	19.95	29.95	-4.93	-14.93	3.80	11.22
MW-22RS	253427.925	1084088.947	14.16	10	10.08	20.08	4.08	-5.92	3.41	10.75
MW-25RD	253437.87	1084097.65	19.16	10	17.00	27.00	2.16	-7.84	5.80	13.36
MW-25RS	253436.07	1084098.47	19.35	10	7.00	17.00	12.35	2.35	3.15	16.20
MW-30S	253443.77	1084121.74	19.74	10	10.00	20.00	9.74	-0.26	4.09	15.65
MW-30D	253442.28	1084118.01	19.73	10	20.00	30.00	-0.27	-10.27	7.08	12.65

Notes:
AMSL = Above mean sea level
bgs = Below ground surface
DTW = Depth to water
ft = Foot (feet)
NA = Not available
Red text = Measure point not available - ground surface elevation reported

Table 3. Historical Summary of VOCs

			Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Sample Name	MW-1_03092011	MW-1_06202011	MW-X MW-1_06202011	MW-1_09162011	MWX MW-1_09162011	MW-1_03292012	MW-1_07182012	MW-X MW-1_07182012	MW-1_11012012	MW-X MW-1_11012012	MW-1-20130424	MW-X MW-1-20130424	MW-01	MW-1-101413
			Parent Sample ID														
			Sample Date	3/8/2011	6/20/2011	6/20/2011	9/16/2011	9/16/2011	3/29/2012	7/18/2012	7/18/2012	11/1/2012	11/1/2012	4/24/2013	4/24/2013	8/27/2013	10/14/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**															
VOCs (SW8260)																	
1,1,1-Trichloroethane (TCA)	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,1,2-Trichloroethane	1	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,1-Dichloroethane	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	0.53 J	< 2 U	< 5 U	0.44 J	0.52 J	< 20 U	< 40 U
1,1-Dichloroethene	5	µg/L	< 100 U	< 100 U	**5.6**	0.83 J	< 5 U	2.3	3.3	4.8	3.3	3.9 J	1.6 J	1.7	< 20 U	< 40 U
1,2,3-Trichloropropane	0.04	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
1,2-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	0.29 J	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,2-Dichloroethane	0.6	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,2-Dichloropropane	1	µg/L	< 100 U	< 100 U	< 5 U	**1.1 J**	0.92 J	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
1,3-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,4-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	0.63 J	< 5 U	< 5 U	< 2 U	< 2 U	0.35 J	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 200 U	50 U	3.3 J	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 25 U	< 10 R	< 5 R	< 200 U	< 400 U
Benzene	1	µg/L	< 100 U	< 100 U	< 5 U	0.88 J	0.86 J	< 2 U	0.37 J	0.44 J	0.21 J	< 5 U	0.29 J	0.3 J	< 20 U	< 40 U
Carbon Disulfide	60	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
Chlorobenzene	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
Chloroform	7	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
Cis-1,2-Dichloroethylene	5	µg/L	**3000**	**5700**	**5700**	**120**	**120**	**2500**	**4500**	**3800**	**2800**	**3600**	**2200**	**2000 J**	**1400**	**690**
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	< 20 U	< 40 U
Cymene	NSL	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
Ethylbenzene	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 200 U	< 200 U	< 10 U	< 10 U	< 10 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 UJ	< 1 U	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	0.31 J	0.36 J	0.21 J	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 200 U	< 200 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 25 U	< 10 R	< 5 R	< 200 U	< 400 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 200 U	< 200 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 10 U	< 25 U	< 10 U	< 5 U	< 100 U	< 400 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	< 20 U	< 40 U
Methylene Chloride	5	µg/L	**35 J**	**20 U**	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	**10 J**	< 40 U
M-P-Xylene	NSL	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 4 U	< 4 U	< 2 U	< 4 U	< 10 U	< 4 U	< 2 U	--	--
Naphthalene	10	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	0.37 J	< 2 U	< 5 U	< 2 U	< 1 U	--	--
N-Butylbenzene	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
N-Propylbenzene	NSL	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 1 U	< 2 U	< 5 U	< 2 U	< 1 U	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	0.34 J	0.37 J	< 2 U	< 5 U	< 2 U	0.16 J	--	--
Sec-Butylbenzene	5	µg/L	< 100 U	< 100 U	1.8 J	< 5 U	< 5 U	0.8 J	0.65 J	0.74 J	0.66 J	< 5 U	< 2 U	0.42 J	--	--
T-Butylbenzene	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	0.4 J	0.48 J	0.25 J	< 5 U	0.3 J	0.4 J	--	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 100 U	< 100 U	0.28 J	1.4 J	1.3 J	< 2 U	1.2 J	1.3	< 2 U	< 5 U	0.72 J	0.7 J	< 20 U	< 40 U
Tetrachloroethylene (PCE)	5	µg/L	**950**	**3300**	**3300**	**48**	**51**	**880**	**1300**	**1100**	**1200**	**1500**	**600**	**640**	**470**	**240**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	0.18 J	< 2 U	< 5 U	< 2 U	< 1 U	< 20 U	< 40 U
Trans-1,2-Dichloroethene	5	µg/L	**19 J**	**41 U**	**43**	2.6 J	2.8 J	**15**	**72**	**63**	**24**	**26**	**11**	**14**	< 20 U	< 40 U
Trichloroethylene (TCE)	5	µg/L	**530**	**1100**	**1200**	**20**	**22**	**300**	**760**	**700**	**660**	**690**	**240**	**290**	**230**	**100**
Vinyl Chloride	2	µg/L	**77 J**	**200**	**230**	**64**	**66**	**87**	**140**	**190**	**130**	**150**	**98**	**130**	**87**	**58**
Xylenes	5	µg/L	< 100 U	< 100 U	< 5 U	< 5 U	< 5 U	< 6 U	< 6 U	0.37 J	< 6 U	< 15 U	< 6 U	< 3 U	< 40 U	< 80 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D
			Sample Name	MW-1-112113	MW-1 011514	MW-1_071014	MW-01	MW-1-06102022	MW-1-09262022	130054-MW-1-12052023	MW-1D_03092011	MW-1D_06202011	MW-1D_09152011	MW-1D_03292012	MW-1D_07182012	MW-1D_10312012	MW-1D-20130424
			Parent Sample ID														
			Sample Date	11/21/2013	1/15/2014	7/10/2014	11/2/2017	6/10/2022	9/26/2022	12/5/2023	3/8/2011	6/20/2011	9/15/2011	3/29/2012	7/18/2012	10/31/2012	4/24/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**															
VOCs (SW8260)																	
1,1,1-Trichloroethane (TCA)	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.37 U	< 0.18 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,1-Dichloroethane	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.28 U	< 0.14 U	< 1 U	< 250 U	< 5 U	< 5 U	0.53 J	< 2 U	0.91 J	< 5 U
1,1-Dichloroethene	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.28 U	< 0.14 U	< 1 U	< 250 U	4.6 J	4 J	3.5	2.7	5	4.2 J
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	< 0.56 U	< 0.28 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	< 0.4 U	0.49 J	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,2-Dichlorobenzene	3	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,2-Dichloroethane	0.6	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.62 U	< 0.31 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,2-Dichloropropane	1	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.36 U	< 0.18 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	0.37 J	< 5 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	< 0.23 U	< 0.11 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,3-Dichlorobenzene	3	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.24 U	0.28 J	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	< 41 U	< 21 U	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 200 U	< 100 U	< 200 U	< 25 U	< 4.1 U	33 J	< 10 U	< 500 U	1.3 J	3.3 J	< 10 U	< 10 U	< 10 U	< 25 R
Benzene	1	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.4 U	0.28 J	< 0.5 U	< 250 U	< 5 U	0.81 J	0.59 J	< 2 U	0.49 J	**1.1 J**
Carbon Disulfide	60	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 2.9 U	< 1.4 U	< 2 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Chlorobenzene	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.21 U	< 0.11 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Chloroform	7	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	0.2 J	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**970**	**630**	**1300**	**45**	**230**	**43**	**152**	**8500**	**4000**	**2100**	**3300**	**2000**	**6500**	**7800**
Cyclohexane	NSL	µg/L	< 20 U	< 10 U	< 20 U	< 5 U	--	--	< 5 U	--	--	--	--	--	--	--
Cymene	NSL	µg/L	--	--	--	--	< 0.19 U	< 0.097 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Ethylbenzene	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.43 U	0.46 J	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	< 500 U	< 10 U	< 10 U	< 2 U	< 2 U	< 2 U	< 5 UJ
Isopropylbenzene (Cumene)	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	0.48 J	0.42 J
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	< 0.22 U	< 0.11 U	< 1 U	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 200 U	< 100 U	< 200 U	< 50 U	< 3.2 U	< 1.6 U	< 10 U	< 500 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 25 R
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 100 U	< 50 U	< 100 U	< 10 U	< 2.6 U	< 1.3 U	< 5 U	< 500 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 25 U
Methylcyclohexane	NSL	µg/L	< 20 U	< 10 U	< 20 U	< 5 U	< 0.49 U	< 0.24 U	< 5 U	--	--	--	--	--	--	--
Methylene Chloride	5	µg/L	< 20 U	**7.7 J**	< 20 U	< 5 U	< 0.47 U	< 0.23 U	< 2 U	**110 J**	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
M-P-Xylene	NSL	µg/L	--	--	--	--	< 0.92 U	1.5 J	--	< 250 U	< 5 U	< 5 U	< 4 U	< 4 U	< 4 U	< 10 U
Naphthalene	10	µg/L	--	--	--	--	< 0.49 U	< 0.24 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
N-Butylbenzene	5	µg/L	--	--	--	--	< 0.3 U	< 0.15 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
N-Propylbenzene	NSL	µg/L	--	--	--	--	< 0.17 U	< 0.086 U	--	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	--	--	< 0.46 U	0.83 J	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Sec-Butylbenzene	5	µg/L	--	--	--	--	< 0.22 U	< 0.11 U	--	< 250 U	< 5 U	< 5 U	< 2 U	1.1 J	0.57 J	0.96 J
T-Butylbenzene	5	µg/L	--	--	--	--	< 0.26 U	< 0.13 U	--	< 250 U	< 5 U	1.1 J	< 2 U	0.41 J	0.45 J	1.3 J
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	< 9.4 U	< 4.7 U	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 20 U	2 J	< 20 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 250 U	2 J	5.1	1.5 J	< 2 U	2.2	4 J
Tetrachloroethylene (PCE)	5	µg/L	**250**	**170**	**530**	**11**	**120**	**6**	**13**	**4400**	**420**	**220**	**150**	**790**	**940**	**1400**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	< 0.98 U	< 0.49 U	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 20 U	< 10 U	< 20 U	< 1 U	< 0.45 U	2.7	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 5 U
Trans-1,2-Dichloroethene	5	µg/L	< 20 U	< 10 U	< 20 U	0.3 J	1.3 J	< 0.17 U	0.79 J	**76 J**	**26**	**27**	**21**	**15**	**140**	**48**
Trichloroethylene (TCE)	5	µg/L	**140**	**95**	**340**	**11**	**61**	**5.7**	**8.7**	**1700**	**460**	**190**	**300**	**320**	**880**	**1100**
Vinyl Chloride	2	µg/L	**65**	**21**	< 20 U	**3.1**	**6.2**	0.89 J	**2.1**	**400**	**110 J**	**190**	**71**	**76**	**290**	**450**
Xylenes	5	µg/L	< 40 U	< 20 U	< 40 U	< 3 U	--	--	< 1 U	< 250 U	< 5 U	< 5 U	< 6 U	< 6 U	< 6 U	< 15 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01DD	MW-01DD	MW-01DD	MW-01DD
			Sample Name	MW-01D	MW-1D-101413	MW-1D-112113	MW-1D 011414	MW-1D_071014	MW-01D	MW-1D-06102022	130054-MW-1D-12052023	MW-1D-03192024	MW-1DD_06202011	MW-1DD_09152011	MW-1DD_03292012	MW-1DD_07182012
			Parent Sample ID													
			Sample Date	8/26/2013	10/14/2013	11/21/2013	1/14/2014	7/10/2014	11/2/2017	6/10/2022	12/5/2023	3/19/2024	6/20/2011	9/15/2011	3/29/2012	7/18/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.68 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.73 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.33 J	< 0.57 U	< 1 U	< 1 U	< 5 U	< 5 U	0.6 J	0.77 J
1,1-Dichloroethene	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.77 J	< 0.57 U	2.8	0.64 J	< 5 U	< 5 U	2.9	**8**
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	--	--	< 1.1 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	--	--	< 0.8 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichlorobenzene	3	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.49 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 1.2 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.72 U	< 1 U	< 1 U	0.76 U	< 5 U	0.6 J	0.68 J
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	--	--	< 0.45 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
1,3-Dichlorobenzene	3	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.47 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.52 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	< 82 U	--	--	--	--	--	--
Acetone	50	µg/L	< 800 U	< 500 U	< 500 U	< 250 U	< 200 U	< 25 U	< 8.1 U	< 10 U	< 10 U	< 10 U	1.9 J	< 5 U	< 5 U
Benzene	1	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.8 U	< 0.5 U	< 0.5 U	0.81 U	< 5 U	0.64 J	0.71 J
Carbon Disulfide	60	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 5.8 U	< 2 U	< 2 U	< 5 U	< 5 U	< 1 U	< 1 U
Chlorobenzene	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.42 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	0.11 J
Chloroform	7	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.27 J	< 0.67 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**6200**	**3800**	**4800**	**1900**	**1300**	**350**	**410**	**659**	**161**	**340**	**130**	**1900**	**2000**
Cyclohexane	NSL	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 5 U	--	< 5 U	< 5 U	--	--	--	--
Cymene	NSL	µg/L	--	--	--	--	--	--	< 0.39 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
Ethylbenzene	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.86 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U	< 1 U	< 1 U
Isopropylbenzene (Cumene)	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.51 U	< 1 U	< 1 U	--	--	--	--
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	< 0.43 U	< 1 U	< 1 U	< 5 U	< 5 U	0.13 J	0.38 J
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 800 U	< 500 U	< 500 U	< 250 U	< 200 U	< 50 U	< 6.5 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 400 U	< 500 U	< 250 U	< 130 U	< 100 U	< 10 U	< 5.1 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 5 U
Methylcyclohexane	NSL	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 5 U	< 0.98 U	< 5 U	< 5 U	--	--	--	--
Methylene Chloride	5	µg/L	**58 J**	< 50 U	< 50 U	**25**	< 20 U	< 5 U	< 0.94 U	< 2 U	< 2 U	< 5 U	< 5 U	< 1 U	< 1 U
M-P-Xylene	NSL	µg/L	--	--	--	--	--	--	< 1.8 U	--	--	< 5 U	< 5 U	< 2 U	< 2 U
Naphthalene	10	µg/L	--	--	--	--	--	--	< 0.97 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
N-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.61 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
N-Propylbenzene	NSL	µg/L	--	--	--	--	--	--	< 0.34 U	--	--	< 5 U	< 5 U	< 1 U	< 1 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	--	--	--	--	< 0.92 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	0.16 J
Sec-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.44 U	--	--	< 5 U	< 5 U	0.71 J	2.8
T-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.52 U	--	--	< 5 U	< 5 U	1.1	4.5
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	< 19 U	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.69 U	4.3	0.77 J	2.4 U	1.1 J	4.3	6.7
Tetrachloroethylene (PCE)	5	µg/L	**1100**	**630**	**700**	**300**	**270**	**40**	**54**	**289**	**17**	**200**	**48**	**400**	**740**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	< 2 U	--	--	--	--	--	--
Toluene	5	µg/L	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.9 U	< 1 U	< 1 U	< 5 U	< 5 U	< 1 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	< 80 U	**22 J**	< 50 U	< 25 U	< 20 U	3.6	3.1 J	3.5	1.3	3.8 U	2.7 J	**9.8**	**14**
Trichloroethylene (TCE)	5	µg/L	**1100**	**690**	**840**	**290**	**290**	**65**	**58**	**86.2**	**17.1**	**71**	**16**	**280**	**350**
Vinyl Chloride	2	µg/L	**520**	**350**	**410**	**96**	**49**	**4.8**	**13**	**12.9**	**10.2**	**70**	**46**	**190**	**310**
Xylenes	5	µg/L	< 160 U	< 100 U	< 100 U	< 50 U	< 40 U	< 3 U	--	< 1 U	< 1 U	< 5 U	< 5 U	< 3 U	< 3 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-02	MW-02
			Sample Name	MW-1DD_10312012	MW-01DD	MW-1DD-101413	MW-1DD-112113	MW-1DD 011414	MW-1DD_071014	MW-01DD	MW-1DD-06102022	MW-X-06102022	MW-1DD-09262022	MW-1DD-03192024	MW-2_03092011	MW-2_06232011
			Parent Sample ID									MW-1DD-06102022				
			Sample Date	10/31/2012	8/26/2013	10/14/2013	11/21/2013	1/14/2014	7/10/2014	11/2/2017	6/10/2022	6/10/2022	9/26/2022	3/19/2024	3/9/2011	6/23/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.34 U	< 0.34 U	< 0.17 U	< 1 U	< 5 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.37 U	< 0.37 U	< 0.18 U	< 1 U	< 5 U	< 5 U
1,1-Dichloroethane	5	µg/L	0.61 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.28 U	< 0.28 U	< 0.14 U	< 1 U	< 5 U	< 5 U
1,1-Dichloroethene	5	µg/L	1.2	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.28 U	< 0.28 U	< 0.14 U	< 1 U	< 5 U	< 5 U
1,2,3-Trichloropropane	0.04	µg/L	< 1 U	--	--	--	--	--	--	< 0.56 U	< 0.56 U	< 0.28 U	--	< 5 U	< 5 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 1 U	--	--	--	--	--	--	< 0.4 U	< 0.4 U	0.25 J	--	< 5 U	< 5 U
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.24 U	< 0.24 U	< 0.12 U	< 1 U	< 5 U	< 5 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.62 U	< 0.62 U	< 0.31 U	< 1 U	< 5 U	< 5 U
1,2-Dichloropropane	1	µg/L	0.68 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.36 U	< 0.36 U	< 0.18 U	< 1 U	< 5 U	< 5 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1 U	--	--	--	--	--	--	< 0.23 U	< 0.23 U	0.22 J	--	< 5 U	< 5 U
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.24 U	< 0.24 U	0.2 J	< 1 U	< 5 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.26 U	< 0.26 U	< 0.13 U	< 1 U	< 5 U	< 5 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	< 41 U	< 41 U	< 21 U	--	--	--
Acetone	50	µg/L	< 5 U	< 100 U	< 130 U	< 40 U	< 20 U	< 40 U	< 25 U	< 4.1 U	< 4.1 U	6.3 J	< 10 U	< 10 U	< 10 U
Benzene	1	µg/L	0.7 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.4 U	< 0.4 U	0.3 J	< 0.5 U	< 5 U	< 5 U
Carbon Disulfide	60	µg/L	1.1	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 2.9 U	< 2.9 U	< 1.4 U	< 2 U	< 5 U	< 5 U
Chlorobenzene	5	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.21 U	< 0.21 U	< 0.11 U	< 1 U	< 5 U	< 5 U
Chloroform	7	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.34 U	< 0.34 U	< 0.17 U	< 1 U	< 5 U	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**280**	**730**	**490**	**240**	**85**	**170**	**140**	**58**	**49**	**24**	**67.4**	1 J	1.3 J
Cyclohexane	NSL	µg/L	--	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 5 U	--	--	--	< 5 U	--	--
Cymene	NSL	µg/L	< 1 U	--	--	--	--	--	--	< 0.19 U	< 0.19 U	< 0.097 U	--	< 5 U	< 5 U
Ethylbenzene	5	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.43 U	< 0.43 U	0.26 J	< 1 U	< 5 U	< 5 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 1 U	--	--	--	--	--	--	--	--	--	--	< 10 U	< 10 U
Isopropylbenzene (Cumene)	5	µg/L	--	< 10 U	--	--	--	--	< 1 U	< 0.26 U	< 0.26 U	< 0.13 U	< 1 U	< 5 U	< 5 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1 U	--	< 13 U	< 4 U	< 2 U	< 4 U	--	< 0.22 U	< 0.22 U	< 0.11 U	< 1 U	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 5 U	< 100 U	< 130 U	< 40 U	< 20 U	< 40 U	< 50 U	< 3.2 U	< 3.2 U	< 1.6 U	< 10 U	< 10 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 50 U	< 130 U	< 20 U	< 10 U	< 20 U	< 10 U	< 2.6 U	< 2.6 U	< 1.3 U	< 5 U	< 10 U	< 10 U
Methylcyclohexane	NSL	µg/L	--	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 5 U	< 0.49 U	< 0.49 U	< 0.24 U	< 5 U	--	--
Methylene Chloride	5	µg/L	< 1 U	**6.2 J**	< 13 U	< 4 U	1.8 J	< 4 U	< 5 U	< 0.47 U	< 0.47 U	< 0.23 U	< 2 U	< 5 U	< 5 U
M-P-Xylene	NSL	µg/L	< 2 U	--	--	--	--	--	--	< 0.92 U	< 0.92 U	0.87 J	--	< 5 U	< 5 U
Naphthalene	10	µg/L	< 1 U	--	--	--	--	--	--	< 0.49 U	< 0.49 U	< 0.24 U	--	< 5 U	< 5 U
N-Butylbenzene	5	µg/L	< 1 U	--	--	--	--	--	--	< 0.3 U	< 0.3 U	< 0.15 U	--	< 5 U	< 5 U
N-Propylbenzene	NSL	µg/L	< 1 U	--	--	--	--	--	--	< 0.17 U	< 0.17 U	< 0.086 U	--	< 5 U	< 5 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	--	--	--	--	--	--	< 0.46 U	< 0.46 U	0.47 J	< 1 U	< 5 U	< 5 U
Sec-Butylbenzene	5	µg/L	< 1 U	--	--	--	--	--	--	< 0.22 U	< 0.22 U	< 0.11 U	--	< 5 U	< 5 U
T-Butylbenzene	5	µg/L	0.26 J	--	--	--	--	--	--	< 0.26 U	< 0.26 U	< 0.13 U	--	< 5 U	< 5 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	< 9.4 U	< 9.4 U	< 4.7 U	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	1.2	2.1 J	< 13 U	1 J	0.47 J	0.9 J	< 1 U	< 0.34 U	< 0.34 U	< 0.17 U	< 1 U	< 5 U	< 5 U
Tetrachloroethylene (PCE)	5	µg/L	**63**	**210**	**110**	**74**	**33**	**40**	**65**	**21**	**17**	**10**	**12.8**	**42**	**33**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	< 0.98 U	< 0.98 U	< 0.49 U	--	--	--
Toluene	5	µg/L	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.45 U	< 0.45 U	1.6	< 1 U	< 5 U	< 5 U
Trans-1,2-Dichloroethene	5	µg/L	4.6	< 10 U	2.4 J	< 4 U	< 2 U	< 4 U	1.3	< 0.34 U	0.7 J	0.37 J	0.73 J	< 5 U	< 5 U
Trichloroethylene (TCE)	5	µg/L	**27**	**130**	**76**	**44**	**15**	**28**	**38**	**11**	**8.6**	**6.3**	**6.9**	4.1 J	3.2 J
Vinyl Chloride	2	µg/L	**51**	**110**	**75**	**38**	**25**	**30**	**4.1**	< 0.42 U	< 0.42 U	0.33 J	1	< 5 U	< 5 U
Xylenes	5	µg/L	< 3 U	< 20 U	< 25 U	< 8 U	< 4 U	< 8 U	< 3 U	--	--	--	< 1 U	< 5 U	< 5 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-04	MW-04	MW-04	MW-04	MW-04
			Sample Name	MW-2_09162011	MW-2_04032012	MW-U	MW-2_11022012	MW-2-20130424	MW-2_071114	MW-2	MW-02	130054-MW-2-12042023	MW-4_03082011	MW-4_06232011	MW-4_09152011	MW-4_03302012	MW-4_11022012
			Parent Sample ID			MW-2_04032012											
			Sample Date	9/16/2011	4/3/2012	4/3/2012	11/2/2012	4/24/2013	7/11/2014	3/22/2017	11/8/2017	12/4/2023	3/8/2011	6/23/2011	9/15/2011	3/30/2012	11/2/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**															
VOCs (SW8260)																	
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	0.54 J	0.59 J	0.43 J	1.1	1.9	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 5 U	0.2 J	< 1 U	< 1 U	0.18 J	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	1.3 J	1 J	1.8	2
1,1-Dichloroethene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	1.5	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	< 1 U	< 1 U	0.53 J	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	< 0.4 U	--	--	--	--	--	--	--
Acetone	50	µg/L	1.1 J	< 5 U	< 5 U	< 5 U	< 5 R	< 10 U	< 5 U	< 25 U	< 10 U	< 10 U	1.8 J	2.4 J	< 5 U	< 5 U
Benzene	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Carbon Disulfide	60	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Chlorobenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Chloroform	7	µg/L	< 5 U	0.095 J	0.14 J	< 1 U	0.13 J	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	4.3 J	1.2	1.1	2.2	1.1	3.3	0.33 J	1.1	< 1 U	2.5 J	2.4 J	1.9 J	1.6	1.6
Cyclohexane	NSL	µg/L	--	--	--	--	--	< 1 U	< 1 U	< 5 U	< 5 U	--	--	--	--	--
Cymene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Ethylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 UJ	--	--	--	--	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U
Isopropylbenzene (Cumene)	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	< 1 U	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 5 R	< 10 U	< 5 U	< 50 U	< 10 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	< 1 U	< 1 U	< 5 U	< 5 U	--	--	--	--	--
Methylene Chloride	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
M-P-Xylene	NSL	µg/L	< 5 U	< 2 U	< 2 U	0.29 J	< 2 U	--	< 1 U	--	--	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U
Naphthalene	10	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
N-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
N-Propylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	0.15 J	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	< 1 U	< 1 U	0.21 J	< 1 U	--	< 1 U	--	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Sec-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
T-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	**37**	**34**	**35**	**43**	**26**	**52**	**7.9**	**17**	1.4	< 5 U	< 5 U	1.6 J	< 1 U	< 1 U
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U
Trichloroethylene (TCE)	5	µg/L	**5.5**	3.7	3.8	**5.1**	2.9	**8.6**	1.4	3.5	< 1 U	0.74 J	0.71 J	0.85 J	0.38 J	0.19 J
Vinyl Chloride	2	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 5 U	0.5 J	< 1 U
Xylenes	5	µg/L	< 5 U	< 3 U	< 3 U	0.5 J	< 3 U	< 2 U	--	< 3 U	< 1 U	< 5 U	< 5 U	< 5 U	< 3 U	< 3 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-04	MW-04	MW-04R	MW-04R	MW-04R	MW-05R	MW-05R	MW-05R	MW-07D	MW-07D	MW-07D	MW-07D	MW-07RS
			Sample Name	MW-4-20130426	MW-4_070914	MW-4R	DUP-1	130054-MW-4R-12042023	MW-05R	130054-MW-5R-12042023	MW-5R-03182024	MW-7RD-06082022	MW-7D-09222022	130054-MW-7D-12042023	MW-7D-03192024	MW-7RS-06082022
			Parent Sample ID				MW-4R-20171102									
			Sample Date	4/26/2013	7/9/2014	11/2/2017	11/2/2017	12/4/2023	11/6/2017	12/4/2023	3/18/2024	6/8/2022	9/22/2022	12/4/2023	3/19/2024	6/8/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.68 U	< 0.68 U	< 1 U	< 1 U	< 1.7 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.73 U	< 0.73 U	< 1 U	< 1 U	< 1.8 U
1,1-Dichloroethane	5	µg/L	3	1.3	< 1 U	< 1 U	< 1 U	0.31 J	< 1 U	< 1 U	< 0.57 U	< 0.57 U	< 1 U	< 1 U	< 1.4 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.38 J	< 1 U	< 1 U	< 0.57 U	1.3 J	< 1 U	< 1 U	**5.5 J**
1,2,3-Trichloropropane	0.04	µg/L	< 1 U	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U	--	--	< 2.8 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.8 U	< 0.8 U	--	--	< 2 U
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.49 U	< 0.49 U	< 1 U	< 1 U	< 1.2 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 1 U	< 3.1 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.72 U	< 0.72 U	< 1 U	< 1 U	< 1.8 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.45 U	< 0.45 U	--	--	< 1.1 U
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.47 U	< 0.47 U	< 1 U	< 1 U	< 1.2 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.52 U	< 0.52 U	< 1 U	< 1 U	< 1.3 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	< 82 U	< 82 U	--	--	< 210 U
Acetone	50	µg/L	< 5 R	< 10 U	< 25 U	< 25 U	< 10 U	< 25 U	< 10 U	< 10 U	< 8.1 U	< 8.1 U	< 10 U	< 10 U	< 20 U
Benzene	1	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 0.5 U	< 0.5 U	< 0.8 U	< 0.8 U	< 0.5 U	< 0.5 U	< 2 U
Carbon Disulfide	60	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U	< 2 U	< 5.8 U	< 5.8 U	< 2 U	< 2 U	< 14 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.42 U	< 0.42 U	< 1 U	< 1 U	< 1.1 U
Chloroform	7	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.67 U	< 0.67 U	< 1 U	< 1 U	< 1.7 U
Cis-1,2-Dichloroethylene	5	µg/L	1.8	2.6	0.94 J	0.69 J	< 1 U	1.1	< 1 U	< 1 U	**210**	**290**	**175**	**212**	**790**
Cyclohexane	NSL	µg/L	--	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--
Cymene	NSL	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.39 U	< 0.39 U	--	--	< 0.97 U
Ethylbenzene	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.86 U	< 0.86 U	< 1 U	< 1 U	< 2.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 1 UJ	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.51 U	< 0.51 U	< 1 U	< 1 U	< 1.3 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	< 1 U	--	< 1 U	< 1 U	< 0.43 U	< 0.43 U	< 1 U	< 1 U	< 1.1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 5 R	< 10 U	< 50 U	< 50 U	< 10 U	< 50 U	< 10 U	< 10 U	< 6.5 U	< 6.5 U	< 10 U	< 10 U	< 16 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U	< 5 U	< 5.1 U	< 5.1 U	< 5 U	< 5 U	< 13 U
Methylcyclohexane	NSL	µg/L	--	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 0.98 U	< 0.98 U	< 5 U	< 5 U	< 2.4 U
Methylene Chloride	5	µg/L	< 1 U	< 1 U	< 5 U	< 5 U	< 2 U	< 5 U	< 2 U	< 2 U	< 0.94 U	< 0.94 U	< 2 U	< 2 U	< 2.3 U
M-P-Xylene	NSL	µg/L	< 2 U	--	--	--	--	--	--	--	< 1.8 U	< 1.8 U	--	--	< 4.6 U
Naphthalene	10	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.97 U	< 0.97 U	--	--	< 2.4 U
N-Butylbenzene	5	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.61 U	< 0.61 U	--	--	< 1.5 U
N-Propylbenzene	NSL	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.34 U	< 0.34 U	--	--	< 0.86 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	--	--	--	< 1 U	--	< 1 U	< 1 U	< 0.92 U	< 0.92 U	< 1 U	< 1 U	< 2.3 U
Sec-Butylbenzene	5	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.44 U	< 0.44 U	--	--	< 1.1 U
T-Butylbenzene	5	µg/L	< 1 U	--	--	--	--	--	--	--	< 0.52 U	< 0.52 U	--	--	3.4 J
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	< 19 U	< 19 U	--	--	< 47 U
Tert-Butyl Methyl Ether	10	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	1.2 J	1.7 J	1.4	< 1 U	3.4 J
Tetrachloroethylene (PCE)	5	µg/L	< 1 U	1.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**23**	**13**	1.1	**29.9**	**74**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	< 2 U	9.4 J	--	--	19 J
Toluene	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.9 U	< 0.9 U	< 1 U	< 1 U	< 2.2 U
Trans-1,2-Dichloroethene	5	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.67 U	< 0.67 U	0.77 J	1.7	< 1.7 U
Trichloroethylene (TCE)	5	µg/L	< 1 U	1.4	< 1 U	< 1 U	< 1 U	0.26 J	< 1 U	< 1 U	**12**	**7.2**	4.3	**50.8**	**91**
Vinyl Chloride	2	µg/L	0.53 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	**2.2 J**	**3 J**	2	1.1	**28**
Xylenes	5	µg/L	< 3 U	< 2 U	< 3 U	< 3 U	< 1 U	< 3 U	< 1 U	< 1 U	--	--	< 1 U	< 1 U	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
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U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-07RS	MW-07RS	MW-07RS	MW-07RS	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-08	MW-11
			Sample Name	MW-7RS-09222022	130054-MW-7RS-12042023	130054-DUP-01-12042023	MW-7S-03192024	MW-8	MW-8-20130426	MW-8-112213	MW-8 011514	MW-08	130054-MW-8-12042023	MW-8-03182024	MW8-FD1-03182024	MW-11_03082011
			Parent Sample ID			130054-MW-7RS-20231204									MW-8-20240318	
			Sample Date	9/22/2022	12/4/2023	12/4/2023	3/19/2024	11/2/2012	4/26/2013	11/22/2013	1/15/2014	11/6/2017	12/4/2023	3/18/2024	3/18/2024	3/8/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1.7 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,1,2-Trichloroethane	1	µg/L	< 1.8 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,1-Dichloroethane	5	µg/L	< 1.4 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,1-Dichloroethene	5	µg/L	2.9 J	0.66 J	0.73 J	0.92 J	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,2,3-Trichloropropane	0.04	µg/L	< 2.8 U	--	--	--	**2.9 J**	< 2 U	--	--	--	--	--	--	< 100 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 2 U	--	--	--	2900	2600	--	--	--	--	--	--	1500
1,2-Dichlorobenzene	3	µg/L	< 1.2 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,2-Dichloroethane	0.6	µg/L	< 3.1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,2-Dichloropropane	1	µg/L	< 1.8 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1.1 U	--	--	--	840	830 J	--	--	--	--	--	--	640
1,3-Dichlorobenzene	3	µg/L	< 1.2 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,4-Dichlorobenzene	3	µg/L	< 1.3 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 210 U	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 20 U	< 10 U	< 10 U	< 10 U	< 25 U	< 10 R	< 10 U	5.8 J	< 250 U	< 40 U	< 50 U	< 25 U	< 200 U
Benzene	1	µg/L	< 2 U	< 0.5 U	< 0.5 U	< 0.5 U	0.97 J	**1.5 J**	< 1 U	**1.4**	< 10 U	< 2 U	< 2.5 U	< 1.3 U	**19 J**
Carbon Disulfide	60	µg/L	< 14 U	< 2 U	< 2 U	< 2 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 8 U	< 10 U	< 5 U	< 100 U
Chlorobenzene	5	µg/L	< 1.1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
Chloroform	7	µg/L	< 1.7 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 1 U	< 1 U	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
Cis-1,2-Dichloroethylene	5	µg/L	**620**	**182**	**189**	**345**	**420**	**270**	**20**	**220**	**86**	**67.7**	**76.6**	**72.1**	**2300**
Cyclohexane	NSL	µg/L	--	< 5 U	< 5 U	< 5 U	--	--	< 1 U	2.3	< 50 U	< 20 U	< 25 U	< 13 U	--
Cymene	NSL	µg/L	< 0.97 U	--	--	--	64	67	--	--	--	--	--	--	82 J
Ethylbenzene	5	µg/L	< 2.1 U	< 1 U	< 1 U	< 1 U	**130**	**130**	**14**	**120**	**120**	**70**	**69.1**	**64.2**	**76 J**
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	< 5 U	< 2 U	--	--	--	--	--	--	< 200 U
Isopropylbenzene (Cumene)	5	µg/L	< 1.3 U	< 1 U	< 1 U	< 1 U	**88**	**83**	**8.9**	**65**	**66**	**36.8**	**39.2**	**38.8**	**45 J**
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1.1 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	472	535	529	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 16 U	< 10 U	< 10 U	< 10 U	< 25 U	< 10 R	< 10 U	< 10 U	< 500 U	< 40 U	< 50 U	< 25 U	< 200 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 13 U	< 5 U	< 5 U	< 5 U	< 25 U	< 10 U	< 5 U	< 5 U	< 100 U	< 20 U	< 25 U	< 13 U	< 200 U
Methylcyclohexane	NSL	µg/L	< 2.4 U	< 5 U	< 5 U	< 5 U	--	--	1.3	8.3	9.8 J	8.2 J	9.3 J	8.3 J	--
Methylene Chloride	5	µg/L	< 2.3 U	< 2 U	< 2 U	< 2 U	< 5 U	< 2 U	< 1 U	< 1 U	**10 J**	< 8 U	< 10 U	< 5 U	**37 J**
M-P-Xylene	NSL	µg/L	< 4.6 U	--	--	--	750	710	--	--	--	--	--	--	190
Naphthalene	10	µg/L	< 2.4 U	--	--	--	**150**	**76 J**	--	--	--	--	--	--	**100**
N-Butylbenzene	5	µg/L	< 1.5 U	--	--	--	**31**	**48 J**	--	--	--	--	--	--	**26 J**
N-Propylbenzene	NSL	µg/L	< 0.86 U	--	--	--	210	200	--	--	--	--	--	--	100
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 2.3 U	< 1 U	< 1 U	< 1 U	**570**	**520**	--	--	--	**343**	**397**	**399**	**200**
Sec-Butylbenzene	5	µg/L	< 1.1 U	--	--	--	**52**	**47**	--	--	--	--	--	--	**54 J**
T-Butylbenzene	5	µg/L	2.1 J	--	--	--	**16**	**16**	--	--	--	--	--	--	**60 J**
Tert-Butyl Alcohol	NSL	µg/L	< 47 U	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	3.7 J	1.1	1	< 1 U	**17**	**19**	1.2	5.9	< 10 U	4.6	4.4 J	4.4	**410**
Tetrachloroethylene (PCE)	5	µg/L	**21**	**28.9**	**30**	**174**	1.1 J	1.3 J	< 1 U	1.3	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
Tetrahydrofuran	NSL	µg/L	< 4.9 U	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 2.2 U	< 1 U	< 1 U	< 1 U	**95**	**84**	**8.7**	**79**	**58**	**29.3**	**29.6**	**28**	**60 J**
Trans-1,2-Dichloroethene	5	µg/L	< 1.7 U	1.4	1.5	4.4	3.5 J	3.5	< 1 U	2.8	< 10 U	< 4 U	< 5 U	1.9 J	**23 J**
Trichloroethylene (TCE)	5	µg/L	**23**	**27.3**	**27.3**	**133**	< 5 U	< 2 U	< 1 U	0.55 J	< 10 U	< 4 U	< 5 U	< 2.5 U	< 100 U
Vinyl Chloride	2	µg/L	**55**	**20**	**19.9**	**4.3**	**48**	**38**	**3**	**25**	**13**	**9.2**	**11.4**	**11.1**	**1300**
Xylenes	5	µg/L	--	< 1 U	< 1 U	< 1 U	**1300**	**1200**	**120**	**1200**	**1100**	**815**	**932**	**928**	**390**

Notes:
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J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
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Table 3. Historical Summary of VOCs

			Location ID	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-21D	MW-21D	MW-21D
			Sample Name	MW-11_06222011	MW-W	MW-11_09162011	MW-11_04022012	MW-11	MW-11-20130425	MW-W	MW-11	130054-MW-11-12052023	MW-11-20240320	MW-21D_06212011	MW-Y	MW-21D_09162011
			Parent Sample ID		MW-11_06222011					MW-11-20130425					MW-21D_06212011	
			Sample Date	6/22/2011	6/22/2011	9/16/2011	4/2/2012	11/2/2012	4/25/2013	4/25/2013	11/6/2017	12/5/2023	3/20/2024	6/21/2011	6/21/2011	9/16/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,1-Dichloroethane	5	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,1-Dichloroethene	5	µg/L	< 100 U	< 100 U	< 5 U	1	0.75 J	1.3	1.3	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	**7.4**
1,2,3-Trichloropropane	0.04	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	**0.83 J**	< 1 U	< 1 U	--	--	--	< 50 U	< 50 U	< 5 U
1,2,4-Trimethylbenzene	NSL	µg/L	1100	1100	790	980	740	850	950	--	--	--	< 50 U	< 50 U	< 5 U
1,2-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	0.28 J	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,2-Dichloroethane	0.6	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 UJ	< 1 UJ	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,2-Dichloropropane	1	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	470	450	--	460	220	490	490	--	--	--	< 50 U	< 50 U	< 5 U
1,3-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	0.3 J	0.34 J	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 200 U	< 200 U	16	17	19	--	--	< 130 U	4.6 J	8 J	< 100 U	< 100 U	< 10 U
Benzene	1	µg/L	**26 J**	**29 J**	**29**	**29**	**36**	**37**	**36**	**21**	**9.7**	**3.6**	< 50 U	< 50 U	**1.7 J**
Carbon Disulfide	60	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U	< 2 U	< 50 U	< 50 U	< 5 U
Chlorobenzene	5	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	0.12 J	0.17 J	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
Chloroform	7	µg/L	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**1900**	**1900**	**1500**	**1900**	**1700**	**2100**	**2100**	**650**	**74.7**	**91**	**1100**	**1000**	**2700**
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	--	< 25 U	< 5 U	< 5 U	--	--	--
Cymene	NSL	µg/L	48 J	--	--	41	13	52	51	--	--	--	< 50 U	< 50 U	< 5 U
Ethylbenzene	5	µg/L	**63 J**	**67 J**	**50**	**73**	**50**	**89**	**90**	**47**	**30.7**	**13.7**	< 50 U	< 50 U	< 5 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 200 U	< 200 U	< 10 U	< 1 U	< 1 U	< 1 UJ	< 1 UJ	--	--	--	< 100 U	< 100 U	< 10 U
Isopropylbenzene (Cumene)	5	µg/L	**33 J**	**32 J**	**29**	**32**	**18**	**41**	**42**	**15**	**13.1**	**6.2**	< 50 U	< 50 U	< 5 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	59.2	30.7	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 200 U	< 200 U	< 10 U	< 5 U	< 5 U	--	--	< 250 U	< 10 U	< 10 U	< 100 U	< 100 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 200 U	< 200 U	0.71 J	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	< 5 U	< 5 U	< 100 U	< 100 U	< 10 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	--	--	< 25 U	1 J	< 5 U	--	--	--
Methylene Chloride	5	µg/L	**40 J**	**43 J**	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 25 U	< 2 U	< 2 U	**19 J**	**20 J**	< 5 U
M-P-Xylene	NSL	µg/L	150	150	120	160	110	200	210	--	--	--	< 50 U	< 50 U	< 5 U
Naphthalene	10	µg/L	**98 J**	**120**	**70**	**100**	**51**	**110**	**110**	--	--	--	< 50 U	< 50 U	< 5 U
N-Butylbenzene	5	µg/L	**17 J**	**14 J**	**27**	**23**	< 1 U	**55**	**55**	--	--	--	< 50 U	< 50 U	< 5 U
N-Propylbenzene	NSL	µg/L	70 J	68 J	58	74	32	79	79	--	--	--	< 50 U	< 50 U	< 5 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	**180**	**180**	**110 J**	**180**	**140**	**230**	**230**	--	**68.3**	**36.5**	< 50 U	< 50 U	< 5 U
Sec-Butylbenzene	5	µg/L	**31 J**	**29 J**	**22**	**26**	< 1 U	**31**	**30**	--	--	--	< 50 U	< 50 U	< 5 U
T-Butylbenzene	5	µg/L	**33 J**	**36 J**	**22**	**38**	**15**	**43**	**42**	--	--	--	< 50 U	< 50 U	< 5 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	**390**	**390**	**410**	**320**	< 1 U	**200**	**200**	**63**	8.8	**17.1**	< 50 U	< 50 U	0.7 J
Tetrachloroethylene (PCE)	5	µg/L	**23 J**	**19 J**	**14**	0.92 J	0.23 J	0.67 J	0.73 J	3.2 J	< 1 U	< 1 U	**9.2 J**	**9.9 J**	**6.7**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	**47 J**	**47 J**	**36**	**47**	**41**	**65**	**65**	**36**	**15.4**	**6.3**	< 50 U	< 50 U	< 5 U
Trans-1,2-Dichloroethene	5	µg/L	**15 J**	**17 J**	**14**	**20**	**14**	**23**	**24**	**9.6**	1.8	1.9	< 50 U	< 50 U	**21**
Trichloroethylene (TCE)	5	µg/L	< 100 U	< 100 U	**7.3**	0.45 J	< 1 U	0.53 J	0.53 J	< 5 U	< 1 U	< 1 U	< 50 U	< 50 U	**11**
Vinyl Chloride	2	µg/L	**640**	**670**	**250**	**600**	**460**	**640**	**690**	**370**	**41.4**	**47**	**70**	**55**	**74**
Xylenes	5	µg/L	**330**	**330**	**270**	**350**	**250**	**430**	**440**	**210**	**128**	**67.2**	< 50 U	< 50 U	< 5 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D
			Sample Name	MW-Y	MW-21D_04022012	MW-Y	MW-21D	MW-Y	MW-21D	MW-21D-20130423	MW-Y	MW-21D	MW-21D-101413	MW-21D-112113	MW-21D 011414	MW-21D	MW-21D	MW-21D-06082022
			Parent Sample ID	MW-21D_09162011		MW-21D_04022012		MW-21D_07162012			MW-21D-20130423							
			Sample Date	9/16/2011	4/2/2012	4/2/2012	7/16/2012	7/16/2012	11/1/2012	4/23/2013	4/23/2013	8/27/2013	10/14/2013	11/21/2013	1/14/2014	11/7/2017	12/4/2019	6/8/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**																
VOCs (SW8260)																		
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.8 U
1,1-Dichloroethane	5	µg/L	< 5 U	0.38 J	0.45 J	0.26 J	0.25 J	0.42 J	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.4 U
1,1-Dichloroethene	5	µg/L	**8.2**	4.1	4	2.3	2.4	3	1.3 J	1.7 J	< 50 U	< 130 U	< 50 U	< 50 U	2.7 J	< 1 U	< 1.4 U
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 2.8 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 2 U
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.2 U
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 1 U	0.51 J	0.21 J	0.23 J	**0.87 J**	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 3.1 U
1,2-Dichloropropane	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.8 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 1.1 U
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.2 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.3 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 210 U
Acetone	50	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**100 JR**	**51 JR**	< 500 U	< 1300 U	< 500 U	< 500 U	< 250 U	< 5 U	25 J
Benzene	1	µg/L	**1.8 J**	**1.2**	**1.1**	0.66 J	0.66 J	**2.4**	**2.2 J**	**2 J**	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	0.23 J	< 2 U
Carbon Disulfide	60	µg/L	< 5 U	< 1 U	< 1 U	0.29 J	0.29 J	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 14 U
Chlorobenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.1 U
Chloroform	7	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U
Cis-1,2-Dichloroethylene	5	µg/L	**2700**	**1900**	**1700**	**1500**	**1500**	**1900**	**2400**	**2400**	**3400**	**2200**	**3500**	**3700**	**1800**	**47**	**1200**
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	42 J	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	--
Cymene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 0.97 U
Ethylbenzene	5	µg/L	< 5 U	0.22 J	0.23 J	0.11 J	< 1 U	0.18 J	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 2.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 UJ	< 5 UJ	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 5 U	< 1 U	0.22 J	0.15 J	0.15 J	0.12 J	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.3 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 1.1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	3.5 J	< 5 U	< 50 R	< 25 R	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 5 U	17 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U	< 25 U	< 250 U	< 1300 U	< 250 U	< 250 U	< 100 U	< 5 U	< 13 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	< 2.4 U
Methylene Chloride	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	**43 J**	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	< 2.3 U
M-P-Xylene	NSL	µg/L	< 5 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U	< 10 U	--	--	--	--	--	--	< 4.6 U
Naphthalene	10	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 2.4 U
N-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 1.5 U
N-Propylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	0.1 J	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 0.86 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	--	--	--	--	--	--	< 2.3 U
Sec-Butylbenzene	5	µg/L	< 5 U	0.42 J	0.45 J	0.26 J	0.28 J	0.4 J	< 10 U	< 5 U	--	--	--	--	--	--	< 1.1 U
T-Butylbenzene	5	µg/L	< 5 U	0.19 J	0.2 J	0.18 J	0.18 J	0.21 J	< 10 U	< 5 U	--	--	--	--	--	--	< 1.3 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 47 U
Tert-Butyl Methyl Ether	10	µg/L	0.79 J	0.43 J	0.46 J	0.34 J	0.35 J	1.1	< 10 U	1.1 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U
Tetrachloroethylene (PCE)	5	µg/L	**13**	2.7	2.7	**8**	**8.4**	3	< 10 U	2.6 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	0.54 J	< 1.9 U
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--	< 4.9 U
Toluene	5	µg/L	< 5 U	< 1 U	0.16 J	< 1 U	< 1 U	< 1 U	< 10 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 2.2 U
Trans-1,2-Dichloroethene	5	µg/L	**22**	**24**	**25**	**27**	**25**	**17**	**19**	**24**	**81**	**35 J**	< 50 U	< 50 U	**28**	1.2	**13**
Trichloroethylene (TCE)	5	µg/L	**15**	4.2	4.3	**5.9**	**6.4**	2.4	< 10 U	1.9 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.9 U
Vinyl Chloride	2	µg/L	**71**	**24**	**24**	**17**	**18**	**22**	**27**	**28**	**98**	**57 J**	**130**	**52**	**50**	**6.7**	**47**
Xylenes	5	µg/L	< 5 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 30 U	< 15 U	< 100 U	< 250 U	< 100 U	< 100 U	< 30 U	< 2 U	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
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Table 3. Historical Summary of VOCs

			Location ID	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S
			Sample Name	MW-21D-09232022	130054-MW-21D-12052023	MW-21D-03182024	MW-21S_06212011	MW-21S_09162011	MW-21S_04022012	MW-21S_07182012	MW-21S_11022012	MW-21S-20130423	MW-21S	MW-21S-101413	MW-21S-112113
			Parent Sample ID												
			Sample Date	9/23/2022	12/5/2023	3/18/2024	6/21/2011	9/16/2011	4/2/2012	7/18/2012	11/2/2012	4/23/2013	8/27/2013	10/14/2013	11/21/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**													
VOCs (SW8260)															
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.17 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,1,2-Trichloroethane	1	µg/L	< 0.18 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	**1.6 J**	< 1 U	< 50 U	< 20 U
1,1-Dichloroethane	5	µg/L	< 0.14 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	0.31 J	0.27 J	0.35 J	0.65 J	< 50 U	< 20 U
1,1-Dichloroethene	5	µg/L	< 0.14 U	**6.9 J**	< 20 U	< 200 U	**19**	2.9 J	2.1	5	< 2 U	< 1 U	< 50 U	< 20 U
1,2,3-Trichloropropane	0.04	µg/L	< 0.28 U	--	--	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	0.24 J	--	--	36 J	< 5 U	< 5 U	0.88 J	< 1 U	< 2 U	--	--	--
1,2-Dichlorobenzene	3	µg/L	< 0.12 U	< 10 U	< 20 U	< 200 U	0.6 J	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,2-Dichloroethane	0.6	µg/L	< 0.31 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,2-Dichloropropane	1	µg/L	< 0.18 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 0.11 U	--	--	< 200 U	< 5 U	< 5 U	0.29 J	< 1 U	< 2 U	--	--	--
1,3-Dichlorobenzene	3	µg/L	0.16 J	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,4-Dichlorobenzene	3	µg/L	< 0.13 U	< 10 U	< 20 U	< 200 U	0.88 J	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 21 U	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	4.2 J	< 100 U	< 200 U	< 400 U	1.2 J	< 25 U	< 5 U	< 5 U	25 JR	20	< 500 U	< 200 U
Benzene	1	µg/L	< 0.2 U	< 5 U	< 10 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Carbon Disulfide	60	µg/L	< 1.4 U	< 20 U	< 40 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Chlorobenzene	5	µg/L	< 0.11 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Chloroform	7	µg/L	< 0.17 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	0.94 J	0.89 J	< 50 U	< 20 U
Cis-1,2-Dichloroethylene	5	µg/L	**9.1**	**4420**	**4770**	**4100**	**14000**	**4500**	**510**	**2400**	**32**	< 1 U	**1100**	**1400**
Cyclohexane	NSL	µg/L	--	< 50 U	< 100 U	--	--	--	--	--	--	1.1	< 50 U	< 20 U
Cymene	NSL	µg/L	< 0.097 U	--	--	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
Ethylbenzene	5	µg/L	< 0.21 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	< 400 U	< 10 U	< 5 U	< 1 U	< 1 U	< 2 UJ	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 0.13 U	< 10 U	< 20 U	< 200 U	1.8 J	0.76 J	0.19 J	0.099 J	< 2 U	< 1 U	< 50 U	< 20 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 0.11 U	< 10 U	< 20 U	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 1.6 U	< 100 U	< 200 U	< 400 U	< 10 U	< 25 U	< 5 U	< 5 U	< 10 R	2 J	< 500 U	< 200 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 1.3 U	< 50 U	< 100 U	< 400 U	< 10 U	< 25 U	< 5 U	< 5 U	< 10 U	< 5 U	< 500 U	< 100 U
Methylcyclohexane	NSL	µg/L	< 0.24 U	< 50 U	< 100 U	--	--	--	--	--	--	< 1 U	< 50 U	< 20 U
Methylene Chloride	5	µg/L	< 0.23 U	< 20 U	< 40 U	**88 J**	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
M-P-Xylene	NSL	µg/L	< 0.46 U	--	--	< 200 U	< 5 U	< 10 U	< 2 U	< 2 U	< 4 U	--	--	--
Naphthalene	10	µg/L	< 0.24 U	--	--	**34 J**	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
N-Butylbenzene	5	µg/L	< 0.15 U	--	--	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
N-Propylbenzene	NSL	µg/L	< 0.086 U	--	--	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 0.23 U	< 10 U	< 20 U	< 200 U	2.9 J	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--
Sec-Butylbenzene	5	µg/L	< 0.11 U	--	--	< 200 U	1.8 J	0.96 J	0.63 J	0.28 J	< 2 U	--	--	--
T-Butylbenzene	5	µg/L	< 0.13 U	--	--	< 200 U	0.89 J	1.3 J	1.4	0.76 J	0.62 J	--	--	--
Tert-Butyl Alcohol	NSL	µg/L	< 4.7 U	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 0.17 U	< 10 U	< 20 U	< 200 U	< 5 U	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Tetrachloroethylene (PCE)	5	µg/L	1.8	< 10 U	< 20 U	**970**	**7800**	**870**	**150**	**400**	**510**	**11**	**380**	**290**
Tetrahydrofuran	NSL	µg/L	< 0.49 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	0.29 J	< 10 U	< 20 U	< 200 U	1.5 J	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U
Trans-1,2-Dichloroethene	5	µg/L	1	**71.2**	**178**	< 200 U	< 1300 U	**35**	4.6	**14**	0.39 J	< 1 U	**28 J**	< 20 U
Trichloroethylene (TCE)	5	µg/L	0.67 J	< 10 U	< 20 U	**1200**	**4400**	**910**	**65**	**190**	**19**	< 1 U	**210**	**150**
Vinyl Chloride	2	µg/L	1.5 J	**279**	**235**	**210**	**460 J**	**310**	**21**	**21**	< 2 U	< 1 U	< 50 U	**32**
Xylenes	5	µg/L	--	< 10 U	< 20 U	< 200 U	2.9 J	< 15 U	< 3 U	< 3 U	< 6 U	< 2 U	< 100 U	< 40 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD
			Sample Name	MW-21S 011414	MW-21S	MW-21S06072022	MW-21S-09232022	130054-MW-21S-12052023	MW-21S-03182024	MW-22RD	MW-22RD-101413	MW-22RD-112113	MW-22(R)D 011414	MW-22RD_070914	MW-22RD	MW-22(R)D	MW-22RD-06082022
			Parent Sample ID														
			Sample Date	1/14/2014	11/3/2017	6/7/2022	9/23/2022	12/5/2023	3/18/2024	8/27/2013	10/14/2013	11/21/2013	1/14/2014	7/9/2014	11/3/2017	12/5/2019	6/8/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**															
VOCs (SW8260)																	
1,1,1-Trichloroethane (TCA)	5	µg/L	< 20 U	< 1 U	< 0.17 U	< 0.17 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U
1,1,2-Trichloroethane	1	µg/L	< 20 U	< 1 U	< 0.18 U	< 0.18 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.8 U
1,1-Dichloroethane	5	µg/L	< 20 U	< 1 U	< 0.14 U	< 0.14 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.4 U
1,1-Dichloroethene	5	µg/L	< 20 U	< 1 U	< 0.14 U	< 0.14 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.4 U
1,2,3-Trichloropropane	0.04	µg/L	--	--	< 0.28 U	< 0.28 U	--	--	--	--	--	--	--	--	--	< 2.8 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	< 0.2 U	< 0.2 U	--	--	--	--	--	--	--	--	--	< 2 U
1,2-Dichlorobenzene	3	µg/L	< 20 U	< 1 U	< 0.12 U	< 0.12 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.2 U
1,2-Dichloroethane	0.6	µg/L	< 20 U	< 1 U	< 0.31 U	< 0.31 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 3.1 U
1,2-Dichloropropane	1	µg/L	< 20 U	< 1 U	< 0.18 U	< 0.18 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.8 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	< 0.11 U	< 0.11 U	--	--	--	--	--	--	--	--	--	< 1.1 U
1,3-Dichlorobenzene	3	µg/L	< 20 U	< 1 U	< 0.12 U	< 0.12 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.2 U
1,4-Dichlorobenzene	3	µg/L	< 20 U	< 1 U	< 0.13 U	< 0.13 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.3 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	< 21 U	< 21 U	--	--	--	--	--	--	--	--	--	< 210 U
Acetone	50	µg/L	< 200 U	< 25 U	< 2 U	< 2 U	< 10 U	< 10 U	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 500 U	< 25 U	< 20 U
Benzene	1	µg/L	< 20 U	< 1 U	< 0.2 U	< 0.2 U	< 0.5 U	< 0.5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2 U
Carbon Disulfide	60	µg/L	< 20 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U	< 2 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 14 U
Chlorobenzene	5	µg/L	< 20 U	< 1 U	< 0.11 U	< 0.11 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.1 U
Chloroform	7	µg/L	< 20 U	0.39 J	< 0.17 U	< 0.17 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U
Cis-1,2-Dichloroethylene	5	µg/L	**3500**	**57**	**5.2**	**41**	**8.2**	4.2	**4800**	**2800**	**3200**	**3600**	**3200**	**2200**	**1300**	**1300**
Cyclohexane	NSL	µg/L	< 20 U	< 5 U	--	--	< 5 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	4.7 J	< 5 U	--
Cymene	NSL	µg/L	--	--	< 0.097 U	< 0.097 U	--	--	--	--	--	--	--	--	--	< 0.97 U
Ethylbenzene	5	µg/L	< 20 U	< 1 U	< 0.21 U	< 0.21 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 20 U	< 1 U	< 0.13 U	< 0.13 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.3 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	< 0.11 U	< 0.11 U	< 1 U	< 1 U	--	--	--	--	--	--	--	< 1.1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 200 U	< 50 U	< 1.6 U	< 1.6 U	< 10 U	< 10 U	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 1000 U	< 25 U	< 16 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 100 U	< 10 U	< 1.3 U	< 1.3 U	< 5 U	< 5 U	< 250 U	< 1300 U	< 250 U	< 250 U	< 250 U	< 200 U	< 25 U	< 13 U
Methylcyclohexane	NSL	µg/L	< 20 U	< 5 U	< 0.24 U	< 0.24 U	< 5 U	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 5 U	< 2.4 U
Methylene Chloride	5	µg/L	< 20 U	< 5 U	< 0.23 U	< 0.23 U	< 2 U	< 2 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	**33 J**	< 5 U	< 2.3 U
M-P-Xylene	NSL	µg/L	--	--	< 0.46 U	< 0.46 U	--	--	--	--	--	--	--	--	--	< 4.6 U
Naphthalene	10	µg/L	--	--	< 0.24 U	< 0.24 U	--	--	--	--	--	--	--	--	--	< 2.4 U
N-Butylbenzene	5	µg/L	--	--	< 0.15 U	< 0.15 U	--	--	--	--	--	--	--	--	--	< 1.5 U
N-Propylbenzene	NSL	µg/L	--	--	< 0.086 U	< 0.086 U	--	--	--	--	--	--	--	--	--	< 0.86 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	< 0.23 U	< 0.23 U	< 1 U	< 1 U	--	--	--	--	--	--	--	< 2.3 U
Sec-Butylbenzene	5	µg/L	--	--	< 0.11 U	< 0.11 U	--	--	--	--	--	--	--	--	--	< 1.1 U
T-Butylbenzene	5	µg/L	--	--	< 0.13 U	< 0.13 U	--	--	--	--	--	--	--	--	--	< 1.3 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	< 4.7 U	< 4.7 U	--	--	--	--	--	--	--	--	--	< 47 U
Tert-Butyl Methyl Ether	10	µg/L	< 20 U	< 1 U	< 0.17 U	< 0.17 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U
Tetrachloroethylene (PCE)	5	µg/L	**630**	**58**	4.9	**36**	**6.2**	**44**	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	**39**	< 1.9 U
Tetrahydrofuran	NSL	µg/L	--	--	< 0.49 U	< 0.49 U	--	--	--	--	--	--	--	--	--	< 4.9 U
Toluene	5	µg/L	< 20 U	< 1 U	< 0.22 U	< 0.22 U	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2.2 U
Trans-1,2-Dichloroethene	5	µg/L	**27**	0.32 J	< 0.17 U	0.3 J	< 1 U	< 1 U	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	**33**	**7**	**8.4 J**
Trichloroethylene (TCE)	5	µg/L	**460**	**22**	1.6	**5.5**	1.6	1.2	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	**65**	< 1.9 U
Vinyl Chloride	2	µg/L	**82**	**8.3**	< 0.21 U	**2.2**	< 1 U	< 1 U	< 50 U	**56 J**	**52**	< 50 U	**60**	**66**	**47**	**92**
Xylenes	5	µg/L	< 40 U	< 3 U	--	--	< 1 U	< 1 U	< 100 U	< 250 U	< 100 U	< 100 U	< 100 U	< 60 U	< 10 U	--

Notes:
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-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS
			Sample Name	MW-22RD-09262022	MW-Y-09262022	130054-MW-22RD-12052023	MW-22RD-03182024	MW-22RS	MW-22RS-101413	MW-22RS-112113	MW-22(R)S 011614	MW-22RS_070914	MW-22RS	MW-22RS-06082022	MW-22RS-09232022
			Parent Sample ID		MW-22RD-09262022										
			Sample Date	9/26/2022	9/26/2022	12/5/2023	3/18/2024	8/27/2013	10/14/2013	11/21/2013	1/16/2014	7/9/2014	11/2/2017	6/8/2022	9/23/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**													
VOCs (SW8260)															
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1.7 U	< 1.7 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U
1,1,2-Trichloroethane	1	µg/L	< 1.8 U	< 1.8 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.8 U	< 1.8 U
1,1-Dichloroethane	5	µg/L	< 1.4 U	< 1.4 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	0.36 J	< 1.4 U	< 1.4 U
1,1-Dichloroethene	5	µg/L	1.8 J	2.2 J	1.3	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	0.32 J	< 1.4 U	< 1.4 U
1,2,3-Trichloropropane	0.04	µg/L	< 2.8 U	< 2.8 U	--	--	--	--	--	--	--	--	< 2.8 U	< 2.8 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 2 U	< 2 U	--	--	--	--	--	--	--	--	< 2 U	< 2 U
1,2-Dichlorobenzene	3	µg/L	< 1.2 U	< 1.2 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.2 U	< 1.2 U
1,2-Dichloroethane	0.6	µg/L	< 3.1 U	< 3.1 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	0.25 J	< 3.1 U	< 3.1 U
1,2-Dichloropropane	1	µg/L	< 1.8 U	< 1.8 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.8 U	< 1.8 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1.1 U	< 1.1 U	--	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U
1,3-Dichlorobenzene	3	µg/L	< 1.2 U	< 1.2 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.2 U	< 1.2 U
1,4-Dichlorobenzene	3	µg/L	< 1.3 U	< 1.3 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.3 U	< 1.3 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 210 U	< 210 U	--	--	--	--	--	--	--	--	< 210 U	< 210 U
Acetone	50	µg/L	< 20 U	< 20 U	< 10 U	< 10 U	< 400 U	< 830 U	< 400 U	< 100 U	< 100 U	< 25 U	< 20 U	< 20 U
Benzene	1	µg/L	< 2 U	< 2 U	0.82	0.58	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	0.47 J	< 2 U	< 2 U
Carbon Disulfide	60	µg/L	< 14 U	< 14 U	< 2 U	< 2 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 14 U	< 14 U
Chlorobenzene	5	µg/L	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.1 U	< 1.1 U
Chloroform	7	µg/L	< 1.7 U	< 1.7 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U
Cis-1,2-Dichloroethylene	5	µg/L	**1200**	**1200**	**713**	**319**	**2400**	**1800**	**2100**	**740**	**1900**	**260**	**1000**	**800**
Cyclohexane	NSL	µg/L	--	--	2.2 J	0.91 J	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 5 U	--	--
Cymene	NSL	µg/L	< 0.97 U	< 0.97 U	--	--	--	--	--	--	--	--	< 0.97 U	< 0.97 U
Ethylbenzene	5	µg/L	< 2.1 U	< 2.1 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 2.1 U	< 2.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1.3 U	< 1.3 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.3 U	< 1.3 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1.1 U	< 1.1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 1.1 U	< 1.1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 16 U	< 16 U	< 10 U	< 10 U	< 400 U	< 830 U	< 400 U	< 100 U	< 100 U	< 50 U	< 16 U	< 16 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 13 U	< 13 U	< 5 U	< 5 U	< 200 U	< 830 U	< 200 U	< 50 U	< 50 U	< 10 U	< 13 U	< 13 U
Methylcyclohexane	NSL	µg/L	< 2.4 U	< 2.4 U	0.9 J	0.7 J	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	0.29 J	< 2.4 U	< 2.4 U
Methylene Chloride	5	µg/L	< 2.3 U	< 2.3 U	< 2 U	< 2 U	**21 J**	< 83 U	< 40 U	4.8 J	< 10 U	< 5 U	< 2.3 U	< 2.3 U
M-P-Xylene	NSL	µg/L	< 4.6 U	< 4.6 U	--	--	--	--	--	--	--	--	< 4.6 U	< 4.6 U
Naphthalene	10	µg/L	< 2.4 U	< 2.4 U	--	--	--	--	--	--	--	--	< 2.4 U	< 2.4 U
N-Butylbenzene	5	µg/L	< 1.5 U	< 1.5 U	--	--	--	--	--	--	--	--	< 1.5 U	< 1.5 U
N-Propylbenzene	NSL	µg/L	< 0.86 U	< 0.86 U	--	--	--	--	--	--	--	--	< 0.86 U	< 0.86 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 2.3 U	< 2.3 U	< 1 U	< 1 U	--	--	--	--	--	--	< 2.3 U	< 2.3 U
Sec-Butylbenzene	5	µg/L	< 1.1 U	< 1.1 U	--	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U
T-Butylbenzene	5	µg/L	< 1.3 U	< 1.3 U	--	--	--	--	--	--	--	--	< 1.3 U	< 1.3 U
Tert-Butyl Alcohol	NSL	µg/L	< 47 U	< 47 U	--	--	--	--	--	--	--	--	< 47 U	< 47 U
Tert-Butyl Methyl Ether	10	µg/L	< 1.7 U	< 1.7 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U
Tetrachloroethylene (PCE)	5	µg/L	< 1.9 U	< 1.9 U	< 1 U	< 1 U	**74**	< 83 U	< 40 U	**14**	< 10 U	**17**	< 1.9 U	< 1.9 U
Tetrahydrofuran	NSL	µg/L	< 4.9 U	< 4.9 U	--	--	--	--	--	--	--	--	< 4.9 U	< 4.9 U
Toluene	5	µg/L	< 2.2 U	< 2.2 U	< 1 U	< 1 U	< 40 U	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 2.2 U	< 2.2 U
Trans-1,2-Dichloroethene	5	µg/L	**9.7 J**	< 1.7 U	**8.9**	4.1	**36 J**	< 83 U	< 40 U	< 10 U	**16**	**5.5**	**18**	**15**
Trichloroethylene (TCE)	5	µg/L	< 1.9 U	< 1.9 U	< 1 U	0.78 J	**38 J**	< 83 U	< 40 U	**8.9 J**	< 10 U	**23**	< 1.9 U	< 1.9 U
Vinyl Chloride	2	µg/L	**210**	**220**	**195**	**111**	< 40 U	**20 J**	< 40 U	< 10 U	**24**	**61**	**400**	**400**
Xylenes	5	µg/L	--	--	< 1 U	< 1 U	< 80 U	< 170 U	< 80 U	< 20 U	< 20 U	< 3 U	--	--

Notes:
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NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-22RS	MW-22RS	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D
			Sample Name	130054-MW-22RS-12052023	MW-22RS-03182024	MW-23D_06202011	MW-23D_09162011	MW-23D_03292012	MW-23D_10312012	MW-23D-20130425	MW-23D-101413	MW-23D-112113	MW-23D 011514	MW-23D_071014	MW-23D	MW-23D
			Parent Sample ID													
			Sample Date	12/5/2023	3/18/2024	6/20/2011	9/16/2011	3/29/2012	10/31/2012	4/25/2013	10/14/2013	11/21/2013	1/15/2014	7/10/2014	3/22/2017	10/31/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	3.5	< 40 U	**8.4**	< 8 U	< 8 U	< 2 U	< 10 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	0.53 J	0.54 J	1.2	**9.2 J**	4.1 J	3.7 J	< 8 U	< 2 U	< 10 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 1 U	< 100 U	**7.6**	0.55 J	4.7	0.94 J	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,2,3-Trichloropropane	0.04	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 UJ	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 1 U	< 100 U	**1.9 J**	0.59 J	0.7 J	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	0.78 J	< 10 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	**1.5**	--
Acetone	50	µg/L	< 10 U	< 10 U	39 J	< 10 U	< 5 U	< 5 U	--	< 400 U	< 80 U	< 80 U	< 80 U	< 10 U	< 250 U
Benzene	1	µg/L	< 0.5 U	< 0.5 U	< 100 U	**1.6 J**	0.65 J	0.76 J	0.36 J	< 40 U	< 8 U	< 8 U	< 8 U	0.25 J	< 10 U
Carbon Disulfide	60	µg/L	< 2 U	< 2 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
Chloroform	7	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	0.54 J	0.44 J	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
Cis-1,2-Dichloroethylene	5	µg/L	**60.4**	**239**	**3600**	**2300**	**200**	**2800**	**1400**	**1100**	**380**	**790**	**560**	**430**	**910**
Cyclohexane	NSL	µg/L	< 5 U	< 5 U	--	--	--	--	--	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 50 U
Cymene	NSL	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
Ethylbenzene	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	< 200 U	< 10 U	< 1 U	< 1 U	< 1 UJ	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	0.36 J	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 10 U	< 200 U	< 10 U	< 5 U	< 5 U	--	< 400 U	< 80 U	< 80 U	< 80 U	< 10 U	< 500 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 200 U	< 10 U	< 5 U	< 5 U	< 5 U	< 400 U	< 40 U	< 40 U	< 40 U	< 10 U	< 100 U
Methylcyclohexane	NSL	µg/L	< 5 U	< 5 U	--	--	--	--	--	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 50 U
Methylene Chloride	5	µg/L	< 2 U	< 2 U	**24 U**	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	**11 J**
M-P-Xylene	NSL	µg/L	--	--	< 100 U	< 5 U	< 2 U	< 2 U	< 2 U	--	--	--	--	< 2 U	--
Naphthalene	10	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
N-Butylbenzene	5	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
N-Propylbenzene	NSL	µg/L	--	--	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	0.21 J	< 1 U	--	--	--	--	< 2 U	--
Sec-Butylbenzene	5	µg/L	--	--	< 100 U	2.3 J	0.22 J	1.4	< 1 U	--	--	--	--	--	--
T-Butylbenzene	5	µg/L	--	--	< 100 U	3.2 J	0.28 J	1.5	< 1 U	--	--	--	--	--	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 1 U	< 1 U	6.3 J	6.4	0.94 J	4.3	1.3	< 40 U	3.6 J	3 J	1.6 J	0.46 J	3.3 J
Tetrachloroethylene (PCE)	5	µg/L	3.9	1.4	**1000**	**460**	**62**	**620**	**420**	**270**	**140**	**170**	**160**	**200**	**480**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U
Trans-1,2-Dichloroethene	5	µg/L	3.2	**8**	**20 J**	**14**	1.7	**20**	**14**	< 40 U	< 8 U	< 8 U	< 8 U	**7.5**	**5.1 J**
Trichloroethylene (TCE)	5	µg/L	1.5	0.66 J	**700**	**270**	**29**	**430**	**350**	**120**	**61**	**120**	**150**	**88**	**230**
Vinyl Chloride	2	µg/L	**29.3**	**128**	**530**	**510**	**56**	**370**	**18**	**22 J**	**47**	**110**	**11**	**2.4**	**11**
Xylenes	5	µg/L	< 1 U	< 1 U	< 100 U	< 5 U	< 3 U	< 3 U	< 3 U	< 80 U	< 16 U	< 16 U	< 16 U	--	< 30 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-23D	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S
			Sample Name	MW-23D-06102022	MW-23S_06202011	MW-23S_09162011	MW-23S_03292012	MW-23S_10312012	MW-23S-20130425	MW-23S-101413	MW-23S-112113	MW-23S 011514	MW-23S_071014	MW-23S	MW-23S	MW-23S-06102022
			Parent Sample ID													
			Sample Date	6/10/2022	6/20/2011	9/16/2011	3/29/2012	10/31/2012	4/25/2013	10/14/2013	11/21/2013	1/15/2014	7/10/2014	3/22/2017	10/31/2017	6/10/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**														
VOCs (SW8260)																
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.84 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U
1,1,2-Trichloroethane	1	µg/L	< 0.91 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.37 U
1,1-Dichloroethane	5	µg/L	< 0.71 U	< 100 U	< 5 U	0.44 J	0.61 J	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.28 U
1,1-Dichloroethene	5	µg/L	2.9 J	< 100 U	5	1.7	0.76 J	3.5	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	0.79 J	< 0.28 U
1,2,3-Trichloropropane	0.04	µg/L	< 1.4 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.56 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 0.99 U	< 100 U	< 5 U	< 1 U	< 1 U	0.16 J	--	--	--	--	--	--	< 0.4 U
1,2-Dichlorobenzene	3	µg/L	< 0.61 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.24 U
1,2-Dichloroethane	0.6	µg/L	< 1.5 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 UJ	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.62 U
1,2-Dichloropropane	1	µg/L	< 0.91 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.36 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 0.57 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.23 U
1,3-Dichlorobenzene	3	µg/L	< 0.59 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.24 U
1,4-Dichlorobenzene	3	µg/L	< 0.65 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.26 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 100 U	--	--	--	--	--	--	--	--	--	**0.39 J**	--	< 41 U
Acetone	50	µg/L	< 10 U	33 J	2.8 J	< 5 U	< 5 U	--	< 1300 U	< 800 U	< 400 U	< 100 U	< 10 U	< 25 U	< 4.1 U
Benzene	1	µg/L	< 1 U	< 100 U	< 5 U	0.11 J	0.14 J	0.64 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.4 U
Carbon Disulfide	60	µg/L	< 7.2 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 2.9 U
Chlorobenzene	5	µg/L	< 0.53 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.21 U
Chloroform	7	µg/L	< 0.84 U	< 100 U	< 5 U	< 1 U	0.19 J	0.31 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U
Cis-1,2-Dichloroethylene	5	µg/L	**580**	**3000**	**2900**	**3100**	**1800**	**3400**	**2800**	**4800**	**1900**	**610**	**520**	**380**	**310**
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	--
Cymene	NSL	µg/L	< 0.49 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.19 U
Ethylbenzene	5	µg/L	< 1.1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.43 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	< 200 U	< 10 U	< 1 U	0.58 J	< 1 UJ	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 0.64 U	< 100 U	< 5 U	< 1 U	< 1 U	0.12 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.26 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 0.54 U	--	--	--	--	--	--	--	--	--	--	--	< 0.22 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 8.1 U	< 200 U	< 10 U	< 5 U	< 5 U	--	< 1300 U	< 800 U	< 400 U	< 100 U	< 10 U	< 50 U	< 3.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 6.4 U	< 200 U	< 10 U	< 5 U	< 5 U	< 5 U	< 1300 U	< 400 U	< 200 U	< 50 U	< 10 U	< 10 U	< 2.6 U
Methylcyclohexane	NSL	µg/L	< 1.2 U	--	--	--	--	--	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	< 0.49 U
Methylene Chloride	5	µg/L	< 1.2 U	**21 U**	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	< 0.47 U
M-P-Xylene	NSL	µg/L	< 2.3 U	< 100 U	< 5 U	< 2 U	< 2 U	< 2 U	--	--	--	--	< 2 U	--	< 0.92 U
Naphthalene	10	µg/L	< 1.2 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.49 U
N-Butylbenzene	5	µg/L	< 0.76 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.3 U
N-Propylbenzene	NSL	µg/L	< 0.43 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.17 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1.1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	< 2 U	--	< 0.46 U
Sec-Butylbenzene	5	µg/L	< 0.55 U	< 100 U	< 5 U	< 1 U	< 1 U	0.46 J	--	--	--	--	--	--	< 0.22 U
T-Butylbenzene	5	µg/L	< 0.64 U	< 100 U	< 5 U	< 1 U	< 1 U	0.75 J	--	--	--	--	--	--	< 0.26 U
Tert-Butyl Alcohol	NSL	µg/L	< 23 U	--	--	--	--	--	--	--	--	--	--	--	< 9.4 U
Tert-Butyl Methyl Ether	10	µg/L	< 0.86 U	< 100 U	0.37 J	0.18 J	0.18 J	2.1	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U
Tetrachloroethylene (PCE)	5	µg/L	**130**	**1600**	**850**	**1300**	**840**	**880**	**700**	**1000**	**590**	**320**	**310**	**320**	**170**
Tetrahydrofuran	NSL	µg/L	< 2.5 U	--	--	--	--	--	--	--	--	--	--	--	5.8 J
Toluene	5	µg/L	< 1.1 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.45 U
Trans-1,2-Dichloroethene	5	µg/L	4 J	**22 J**	**29**	**18**	**30**	**35**	< 130 U	< 80 U	< 40 U	< 10 U	**6.4**	2.5	1.9 J
Trichloroethylene (TCE)	5	µg/L	**110**	**600**	**400**	**600**	**440**	**580**	**550**	**820**	**420**	**190**	**130**	**140**	**100**
Vinyl Chloride	2	µg/L	**12**	**26 J**	**140 J**	**21**	**6.9**	**150**	**140**	**210**	< 40 U	< 10 U	< 2 U	**3.6**	**2.7 J**
Xylenes	5	µg/L	--	< 100 U	< 5 U	< 3 U	< 3 U	< 3 U	< 250 U	< 160 U	< 80 U	< 20 U	--	< 3 U	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-25RD	MW-25RD	MW-25RD	MW-25RD	MW-25RS	MW-25RS	MW-25RS	MW-30D	MW-30D
			Sample Name	MW-25RD06072022	MW-25RD-09232022	130054-MW-25RD-12052023	MW-25RD-03192024	MW-25RS06072022	MW-25RS-09232022	130054-MW-25RS-12052023	MW-25RS-03192024	MW-30D06072022	MW-30D-09222022
			Parent Sample ID										
			Sample Date	6/7/2022	9/23/2022	12/5/2023	3/19/2024	6/7/2022	9/23/2022	12/5/2023	3/19/2024	6/7/2022	9/22/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**											
VOCs (SW8260)													
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.68 U	< 0.84 U	< 1 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1 U	< 1.7 U	< 0.84 U
1,1,2-Trichloroethane	1	µg/L	< 0.73 U	< 0.91 U	< 1 U	< 1 U	< 0.37 U	< 0.18 U	< 1 U	< 1 U	< 1.8 U	< 0.91 U
1,1-Dichloroethane	5	µg/L	< 0.57 U	< 0.71 U	< 1 U	< 1 U	< 0.28 U	< 0.14 U	< 1 U	< 1 U	< 1.4 U	< 0.71 U
1,1-Dichloroethene	5	µg/L	< 0.57 U	0.8 J	< 1 U	0.66 J	< 0.28 U	< 0.14 U	< 1 U	< 1 U	< 1.4 U	< 0.71 U
1,2,3-Trichloropropane	0.04	µg/L	< 1.1 U	< 1.4 U	--	--	< 0.56 U	< 0.28 U	--	--	< 2.8 U	< 1.4 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 0.8 U	< 0.99 U	--	--	< 0.4 U	< 0.2 U	--	--	< 2 U	< 0.99 U
1,2-Dichlorobenzene	3	µg/L	< 0.49 U	< 0.61 U	< 1 U	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 1 U	< 1.2 U	< 0.61 U
1,2-Dichloroethane	0.6	µg/L	< 1.2 U	< 1.5 U	< 1 U	< 1 U	< 0.62 U	< 0.31 U	< 1 U	< 1 U	< 3.1 U	< 1.5 U
1,2-Dichloropropane	1	µg/L	< 0.72 U	< 0.91 U	< 1 U	< 1 U	< 0.36 U	< 0.18 U	< 1 U	< 1 U	< 1.8 U	< 0.91 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 0.45 U	< 0.57 U	--	--	< 0.23 U	< 0.11 U	--	--	< 1.1 U	< 0.57 U
1,3-Dichlorobenzene	3	µg/L	< 0.47 U	< 0.59 U	< 1 U	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 1 U	< 1.2 U	< 0.59 U
1,4-Dichlorobenzene	3	µg/L	< 0.52 U	< 0.65 U	< 1 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 1 U	< 1.3 U	< 0.65 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 82 U	< 100 U	--	--	< 41 U	< 21 U	--	--	< 210 U	< 100 U
Acetone	50	µg/L	9.1 J	< 10 U	< 10 U	< 10 U	9.6 J	< 2 U	< 10 U	< 10 U	< 20 U	< 10 U
Benzene	1	µg/L	< 0.8 U	< 1 U	< 0.5 U	< 0.5 U	< 0.4 U	< 0.2 U	< 0.5 U	< 0.5 U	< 2 U	< 1 U
Carbon Disulfide	60	µg/L	< 5.8 U	< 7.2 U	< 2 U	< 2 U	< 2.9 U	< 1.4 U	< 2 U	< 2 U	< 14 U	< 7.2 U
Chlorobenzene	5	µg/L	< 0.42 U	< 0.53 U	< 1 U	< 1 U	< 0.21 U	< 0.11 U	< 1 U	< 1 U	< 1.1 U	< 0.53 U
Chloroform	7	µg/L	< 0.67 U	< 0.84 U	< 1 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1 U	< 1.7 U	< 0.84 U
Cis-1,2-Dichloroethylene	5	µg/L	**490**	**530**	**257**	**351**	**88**	**34**	**26.4**	**12**	**800**	**490**
Cyclohexane	NSL	µg/L	--	--	< 5 U	< 5 U	--	--	< 5 U	< 5 U	--	--
Cymene	NSL	µg/L	< 0.39 U	< 0.49 U	--	--	< 0.19 U	< 0.097 U	--	--	< 0.97 U	< 0.49 U
Ethylbenzene	5	µg/L	< 0.86 U	< 1.1 U	< 1 U	< 1 U	< 0.43 U	< 0.21 U	< 1 U	< 1 U	< 2.1 U	< 1.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 0.51 U	< 0.64 U	< 1 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 1 U	< 1.3 U	< 0.64 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 0.43 U	< 0.54 U	< 1 U	< 1 U	< 0.22 U	< 0.11 U	< 1 U	< 1 U	< 1.1 U	< 0.54 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 6.5 U	14 J	< 10 U	< 10 U	< 3.2 U	< 1.6 U	< 10 U	< 10 U	< 16 U	< 8.1 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5.1 U	< 6.4 U	< 5 U	< 5 U	< 2.6 U	< 1.3 U	< 5 U	< 5 U	< 13 U	< 6.4 U
Methylcyclohexane	NSL	µg/L	< 0.98 U	< 1.2 U	< 5 U	< 5 U	< 0.49 U	< 0.24 U	< 5 U	< 5 U	< 2.4 U	< 1.2 U
Methylene Chloride	5	µg/L	< 0.94 U	< 1.2 U	< 2 U	< 2 U	< 0.47 U	< 0.23 U	< 2 U	< 2 U	< 2.3 U	< 1.2 U
M-P-Xylene	NSL	µg/L	< 1.8 U	< 2.3 U	--	--	< 0.92 U	< 0.46 U	--	--	< 4.6 U	< 2.3 U
Naphthalene	10	µg/L	< 0.97 U	< 1.2 U	--	--	< 0.49 U	< 0.24 U	--	--	< 2.4 U	< 1.2 U
N-Butylbenzene	5	µg/L	< 0.61 U	< 0.76 U	--	--	< 0.3 U	< 0.15 U	--	--	< 1.5 U	< 0.76 U
N-Propylbenzene	NSL	µg/L	< 0.34 U	< 0.43 U	--	--	< 0.17 U	< 0.086 U	--	--	< 0.86 U	< 0.43 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 0.92 U	< 1.1 U	< 1 U	< 1 U	< 0.46 U	< 0.23 U	< 1 U	< 1 U	< 2.3 U	< 1.1 U
Sec-Butylbenzene	5	µg/L	< 0.44 U	< 0.55 U	--	--	< 0.22 U	< 0.11 U	--	--	< 1.1 U	< 0.55 U
T-Butylbenzene	5	µg/L	< 0.52 U	< 0.64 U	--	--	< 0.26 U	< 0.13 U	--	--	< 1.3 U	< 0.64 U
Tert-Butyl Alcohol	NSL	µg/L	< 19 U	< 23 U	--	--	< 9.4 U	< 4.7 U	--	--	< 47 U	< 23 U
Tert-Butyl Methyl Ether	10	µg/L	< 0.69 U	< 0.86 U	< 1 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1 U	< 1.7 U	< 0.86 U
Tetrachloroethylene (PCE)	5	µg/L	**11**	3 J	**8.7**	**13.4**	**230**	**24**	**5.7**	**14**	**30**	**10**
Tetrahydrofuran	NSL	µg/L	< 2 U	< 2.5 U	--	--	< 0.98 U	< 0.49 U	--	--	< 4.9 U	8.4 J
Toluene	5	µg/L	< 0.9 U	< 1.1 U	< 1 U	< 1 U	< 0.45 U	< 0.22 U	< 1 U	< 1 U	< 2.2 U	1.4 J
Trans-1,2-Dichloroethene	5	µg/L	3.1 J	< 0.84 U	2.2	3.4	1.2 J	< 0.17 U	< 1 U	< 1 U	**5.8 J**	**5.4**
Trichloroethylene (TCE)	5	µg/L	**17**	2 J	**6.3**	**11.1**	**21**	**10**	**7.4**	4.8	**68**	**13**
Vinyl Chloride	2	µg/L	**16**	**15**	**51.1**	**44.1**	1.9 J	0.64 J	0.71 J	< 1 U	**9 J**	**8.2 J**
Xylenes	5	µg/L	--	--	< 1 U	< 1 U	--	--	< 1 U	< 1 U	--	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 3. Historical Summary of VOCs

			Location ID	MW-30D	MW-30D	MW-30S	MW-30S	MW-30S
			Sample Name	130054-MW-30D-12052023	MW-30D-03192024	MW-30S06072022	130054-MW-30S-12052023	MW-30S-03202024
			Parent Sample ID					
			Sample Date	12/5/2023	3/19/2024	6/7/2022	12/5/2023	3/20/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**						
VOCs (SW8260)								
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 1 U	< 0.68 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 0.73 U	< 1 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 1 U	< 0.57 U	< 1 U	< 1 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 1 U	< 0.57 U	< 1 U	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	--	--	< 1.1 U	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	< 0.8 U	--	--
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 0.49 U	< 1 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 U	< 1.2 U	< 1 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 1 U	< 0.72 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	< 0.45 U	--	--
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 0.47 U	< 1 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 0.52 U	< 1 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	< 82 U	--	--
Acetone	50	µg/L	< 10 U	< 10 U	< 8.1 U	< 10 U	< 10 U
Benzene	1	µg/L	< 0.5 U	< 0.5 U	< 0.8 U	< 0.5 U	< 0.5 U
Carbon Disulfide	60	µg/L	< 2 U	< 2 U	< 5.8 U	< 2 U	< 2 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 0.42 U	< 1 U	< 1 U
Chloroform	7	µg/L	< 1 U	< 1 U	< 0.67 U	< 1 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**171**	**146**	**400**	**108**	**160**
Cyclohexane	NSL	µg/L	< 5 U	< 5 U	--	< 5 U	< 5 U
Cymene	NSL	µg/L	--	--	< 0.39 U	--	--
Ethylbenzene	5	µg/L	< 1 U	< 1 U	< 0.86 U	< 1 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	< 1 U	< 0.51 U	< 1 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1 U	< 1 U	< 0.43 U	< 1 U	< 1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 10 U	< 6.5 U	< 10 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 5.1 U	< 5 U	< 5 U
Methylcyclohexane	NSL	µg/L	< 5 U	< 5 U	< 0.98 U	< 5 U	< 5 U
Methylene Chloride	5	µg/L	< 2 U	< 2 U	< 0.94 U	< 2 U	< 2 U
M-P-Xylene	NSL	µg/L	--	--	< 1.8 U	--	--
Naphthalene	10	µg/L	--	--	< 0.97 U	--	--
N-Butylbenzene	5	µg/L	--	--	< 0.61 U	--	--
N-Propylbenzene	NSL	µg/L	--	--	< 0.34 U	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	< 1 U	< 0.92 U	< 1 U	< 1 U
Sec-Butylbenzene	5	µg/L	--	--	< 0.44 U	--	--
T-Butylbenzene	5	µg/L	--	--	< 0.52 U	--	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	< 19 U	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 1 U	< 1 U	< 0.69 U	< 1 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	**6.2**	4.5	< 0.75 U	< 1 U	< 1 U
Tetrahydrofuran	NSL	µg/L	--	--	6.9 J	--	--
Toluene	5	µg/L	< 1 U	< 1 U	< 0.9 U	< 1 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	1	0.94 J	2.2 J	0.6 J	0.93 J
Trichloroethylene (TCE)	5	µg/L	4.8	3.7	< 0.76 U	< 1 U	< 1 U
Vinyl Chloride	2	µg/L	**13.1**	**8.8**	< 0.83 U	**2.5**	< 1 U
Xylenes	5	µg/L	< 1 U	< 1 U	--	< 1 U	< 1 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Microgram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01
			Sample Name	MW-1_03092011	MW-1_06202011	MW-X	MW-1_09162011	MWX	MW-1_03292012	MW-1_07182012	MW-X	MW-1_11012012
			Parent Sample ID			MW-1_06202011		MW-1_09162011			MW-1_07182012	
			Sample Date	3/8/2011	6/20/2011	6/20/2011	9/16/2011	9/16/2011	3/29/2012	7/18/2012	7/18/2012	11/1/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**										
SVOCs (SW8270)												
1,2-Dichlorobenzene	3	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	NSL	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	50	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzyl Alcohol	NSL	µg/L	< 4 U	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 4 U	0.57 R	< 4 UR	0.73 J	1.5 J	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	NSL	µg/L	< 4 U	< 4 R	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Cresols, M & P	NSL	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Di-N-Butyl Phthalate	50	µg/L	< 4 U	0.56 R	0.54 R	0.43 J	0.8 J	< 10 U	< 10 U	< 10 U	< 10 U
Di-N-Octylphthalate	50	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Isophorone	50	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Naphthalene	10	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U
Pentachlorophenol	1	µg/L	< 25 U	< 25 R	< 25 UR	< 25 U	< 25 U	< 30 U	< 30 U	< 30 U	< 31 U
Phenanthrene	50	µg/L	< 4 U	< 4 R	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Phenol	NSL	µg/L	< 4 U	< 4 UR	< 4 UR	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-01	MW-01	MW-01	MW-01	MW-01	MW-01D	MW-01D
			Sample Name	MW-X	MW-1-20130424	MW-X	MW-1-06102022	MW-1-09262022	130054-MW-1-12052023	MW-1D_03092011	MW-1D_06202011
			Parent Sample ID	MW-1_11012012		MW-1-20130424					
			Sample Date	11/1/2012	4/24/2013	4/24/2013	6/10/2022	9/26/2022	12/5/2023	3/8/2011	6/20/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	< 10 U	< 10 U	< 10 U	< 0.65 U	< 0.65 U	--	< 4 U	< 4 UR
1,4-Dichlorobenzene	3	µg/L	< 10 U	< 10 U	< 10 U	< 0.65 U	< 0.65 U	--	0.35 J	< 4 UR
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	< 0.1 U	--	--
2,4-Dimethylphenol	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.68 U	< 0.69 U	--	< 4 U	< 4 UR
2-Methylnaphthalene	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.67 U	< 0.68 U	--	< 4 U	< 4 UR
2-Methylphenol (O-Cresol)	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.46 U	< 0.47 U	--	< 4 U	< 4 UR
Anthracene	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.45 U	< 0.45 U	--	< 4 U	< 4 UR
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	< 4 U	--
Benzyl Butyl Phthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.65 U	< 0.66 U	--	< 4 U	< 4 UR
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 10 U	< 10 U	< 10 U	< 0.82 U	< 0.82 U	--	< 4 U	< 4 UR
Carbazole	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.41 U	< 0.42 U	--	< 4 U	< 4 UR
Cresols, M & P	NSL	µg/L	< 10 U	< 10 U	< 10 U	--	--	--	< 4 U	< 4 UR
Di-N-Butyl Phthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.45 U	< 0.45 U	--	0.35 J	< 4 UR
Di-N-Octylphthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 3.8 U	< 3.9 U	--	< 4 U	< 4 UR
Isophorone	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.54 U	< 0.54 U	--	< 4 U	< 4 UR
Naphthalene	10	µg/L	< 10 U	< 10 U	< 10 U	< 0.6 U	< 0.6 U	--	< 4 U	< 4 UR
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 1 U	< 1 U	< 1 U	< 0.6 U	< 0.6 U	--	< 4 U	< 4 UR
Pentachlorophenol	1	µg/L	< 31 U	< 30 U	< 30 U	< 3.4 U	< 3.4 U	--	< 25 U	< 25 UR
Phenanthrene	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.46 U	< 0.47 U	--	< 4 U	< 4 UR
Phenol	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.22 U	< 0.22 U	--	< 4 U	< 4 UR

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D	MW-01D
			Sample Name	MW-1D_09152011	MW-1D_03292012	MW-1D_07182012	MW-1D_10312012	MW-1D-20130424	MW-1D-040518	MW-1D-06102022	130054-MW-1D-12052023
			Parent Sample ID								
			Sample Date	9/15/2011	3/29/2012	7/18/2012	10/31/2012	4/24/2013	4/5/2018	6/10/2022	12/5/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.65 U	--
1,4-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.65 U	--
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	**0.69**	--	0.151
2,4-Dimethylphenol	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.68 U	--
2-Methylnaphthalene	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.67 U	--
2-Methylphenol (O-Cresol)	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.46 U	--
Anthracene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.45 U	--
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.65 U	--
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.82 U	--
Carbazole	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.41 U	--
Cresols, M & P	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--
Di-N-Butyl Phthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.45 U	--
Di-N-Octylphthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 3.8 U	--
Isophorone	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.54 U	--
Naphthalene	10	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.6 U	--
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	--	< 0.6 U	--
Pentachlorophenol	1	µg/L	< 25 U	< 31 U	< 30 U	< 30 U	< 30 U	--	< 3.4 U	--
Phenanthrene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.46 U	--
Phenol	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	< 0.22 U	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-01D	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD
			Sample Name	MW-1D-03192024	MW-1DD_06202011	MW-1DD_09152011	MW-1DD_03292012	MW-1DD_07182012	MW-1DD_10312012	MW-1DD-06102022	MW-X-06102022
			Parent Sample ID								MW-1DD-06102022
			Sample Date	3/19/2024	6/20/2011	9/15/2011	3/29/2012	7/18/2012	10/31/2012	6/10/2022	6/10/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	--	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.65 U	< 0.66 U
1,4-Dichlorobenzene	3	µg/L	--	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.65 U	< 0.66 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 1 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 4 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.69 U	< 0.69 U
2-Methylnaphthalene	NSL	µg/L	< 1 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.68 U	< 0.68 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.47 U	< 0.47 U
Anthracene	50	µg/L	< 1 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.45 U	< 0.46 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.66 U	< 0.67 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.82 U	< 0.83 U
Carbazole	NSL	µg/L	< 1 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.42 U	< 0.42 U
Cresols, M & P	NSL	µg/L	--	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	--	--
Di-N-Butyl Phthalate	50	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.45 U	< 0.46 U
Di-N-Octylphthalate	50	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 3.9 U	< 3.9 U
Isophorone	50	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.54 U	< 0.55 U
Naphthalene	10	µg/L	< 1 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.6 U	< 0.61 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 2 U	< 4 UR	< 4 U	< 1 U	< 1 U	< 1 U	< 0.6 U	< 0.61 U
Pentachlorophenol	1	µg/L	< 4 U	< 25 UR	< 25 U	< 31 U	< 30 U	< 30 U	< 3.4 U	< 3.5 U
Phenanthrene	50	µg/L	< 1 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.47 U	< 0.47 U
Phenol	NSL	µg/L	< 2 U	< 4 UR	< 4 U	< 10 U	< 10 U	< 10 U	< 0.22 U	< 0.23 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-01DD	MW-01DD	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
			Sample Name	MW-1DD-09262022	MW-1DD-03192024	MW-2_03092011	MW-2_06232011	MW-2_09162011	MW-2_04032012	MW-U MW-2_04032012	MW-2_11022012	MW-2-20130424
			Parent Sample ID									
			Sample Date	9/26/2022	3/19/2024	3/9/2011	6/23/2011	9/16/2011	4/3/2012	4/3/2012	11/2/2012	4/24/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**										
SVOCs (SW8270)												
1,2-Dichlorobenzene	3	µg/L	< 0.65 U	--	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	< 0.65 U	--	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	< 1 U	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 0.69 U	< 4 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	NSL	µg/L	< 0.68 U	< 1 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 0.47 U	< 2 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Anthracene	50	µg/L	< 0.45 U	< 1 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Benzyl Alcohol	NSL	µg/L	--	--	< 4 U	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 0.66 U	< 2 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 0.82 U	< 2 U	< 4 U	0.68 J	0.73 J	< 10 U	< 10 U	< 10 U	< 10 U
Carbazole	NSL	µg/L	< 0.42 U	< 1 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Cresols, M & P	NSL	µg/L	--	--	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Di-N-Butyl Phthalate	50	µg/L	< 0.45 U	< 2 U	< 4 U	< 4 U	0.4 J	< 10 U	< 10 U	< 10 U	< 10 U
Di-N-Octylphthalate	50	µg/L	< 3.9 U	< 2 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Isophorone	50	µg/L	< 0.54 U	< 2 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Naphthalene	10	µg/L	< 0.6 U	< 1 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 0.6 U	< 2 U	< 4 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U
Pentachlorophenol	1	µg/L	< 3.4 U	< 4 U	< 25 U	< 25 U	< 25 U	< 30 U	< 31 U	< 30 U	< 30 U
Phenanthrene	50	µg/L	< 0.47 U	< 1 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U
Phenol	NSL	µg/L	< 0.22 U	< 2 U	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-02	MW-02	MW-04R	MW-04R	MW-05R	MW-05R	MW-07D
			Sample Name	MW-02-040518	130054-MW-2-12042023	MW-04R-040518	130054-MW-4R-12042023	130054-MW-5R-12042023	MW-5R-03182024	MW-7D-09222022
			Parent Sample ID							
			Sample Date	4/5/2018	12/4/2023	4/5/2018	12/4/2023	12/4/2023	3/18/2024	9/22/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**								
SVOCs (SW8270)										
1,2-Dichlorobenzene	3	µg/L	--	--	--	--	--	--	--	< 0.65 U
1,4-Dichlorobenzene	3	µg/L	--	--	--	--	--	--	--	< 0.65 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	0.13 J	< 0.1 U	**0.38**	< 0.1 U	0.149	< 1 U	--	
2,4-Dimethylphenol	50	µg/L	--	--	--	--	--	< 4 U	< 0.69 U	
2-Methylnaphthalene	NSL	µg/L	--	--	--	--	--	< 1 U	< 0.68 U	
2-Methylphenol (O-Cresol)	NSL	µg/L	--	--	--	--	--	< 2 U	< 0.47 U	
Anthracene	50	µg/L	--	--	--	--	--	< 1 U	< 0.45 U	
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	
Benzyl Butyl Phthalate	50	µg/L	--	--	--	--	--	< 2 U	< 0.66 U	
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	--	--	--	--	< 2 U	< 0.82 U	
Carbazole	NSL	µg/L	--	--	--	--	--	< 1 U	< 0.42 U	
Cresols, M & P	NSL	µg/L	--	--	--	--	--	--	--	
Di-N-Butyl Phthalate	50	µg/L	--	--	--	--	--	< 2 U	< 0.45 U	
Di-N-Octylphthalate	50	µg/L	--	--	--	--	--	< 2 U	< 3.9 U	
Isophorone	50	µg/L	--	--	--	--	--	< 2 U	< 0.54 U	
Naphthalene	10	µg/L	--	--	--	--	--	< 1 U	< 0.6 U	
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	--	--	--	--	< 2 U	< 0.6 U	
Pentachlorophenol	1	µg/L	--	--	--	--	--	< 4 U	< 3.4 U	
Phenanthrene	50	µg/L	--	--	--	--	--	< 1 U	< 0.47 U	
Phenol	NSL	µg/L	--	--	--	--	--	< 2 U	< 0.22 U	

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-07D	MW-07D	MW-07RS	MW-07RS	MW-07RS	MW-07RS	MW-08
			Sample Name	130054-MW-7D-12042023	MW-7D-03192024	MW-7RS-09222022	130054-MW-7RS-12042023	130054-DUP-01-12042023	MW-7S-03192024	MW-8
			Parent Sample ID					130054-MW-7RS-12042023		
			Sample Date	12/4/2023	3/19/2024	9/22/2022	12/4/2023	12/4/2023	3/19/2024	11/2/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**								
SVOCs (SW8270)										
1,2-Dichlorobenzene	3	µg/L	--	--	< 0.65 U	--	--	--	< 10 U
1,4-Dichlorobenzene	3	µg/L	--	--	< 0.65 U	--	--	--	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	0.135	< 1 U	--	0.119	< 0.1 U	< 1 U	--
2,4-Dimethylphenol	50	µg/L	--	< 4 U	< 0.69 U	--	--	< 4 U	< 10 U
2-Methylnaphthalene	NSL	µg/L	--	< 1 U	< 0.68 U	--	--	< 1 U	7.7 J
2-Methylphenol (O-Cresol)	NSL	µg/L	--	< 2 U	< 0.47 U	--	--	< 2 U	< 10 U
Anthracene	50	µg/L	--	< 1 U	< 0.45 U	--	--	< 1 U	< 10 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	--	< 2 U	< 0.66 U	--	--	< 2 U	4.9 J
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	< 2 U	< 0.82 U	--	--	< 2 U	**20**
Carbazole	NSL	µg/L	--	< 1 U	< 0.42 U	--	--	< 1 U	< 10 U
Cresols, M & P	NSL	µg/L	--	--	--	--	--	--	< 10 U
Di-N-Butyl Phthalate	50	µg/L	--	< 2 U	< 0.45 U	--	--	< 2 U	5 J
Di-N-Octylphthalate	50	µg/L	--	< 2 U	< 3.9 U	--	--	< 2 U	< 10 U
Isophorone	50	µg/L	--	< 2 U	< 0.54 U	--	--	< 2 U	< 10 U
Naphthalene	10	µg/L	--	< 1 U	< 0.6 U	--	--	< 1 U	**76**
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	< 2 U	< 0.6 U	--	--	< 2 U	< 1 U
Pentachlorophenol	1	µg/L	--	< 4 U	< 3.4 U	--	--	< 4 U	< 30 U
Phenanthrene	50	µg/L	--	< 1 U	< 0.47 U	--	--	< 1 U	< 10 U
Phenol	NSL	µg/L	--	< 2 U	< 0.22 U	--	--	< 2 U	< 10 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-08	MW-08	MW-08	MW-08	MW-08	MW-11	MW-11	MW-11
			Sample Name	MW-8-20130426	MW-8-112213	130054-MW-8-12042023	MW-8-03182024	MW8-FD1-03182024	MW-11_03082011	MW-11_06222011	MW-W
			Parent Sample ID					MW-8-20240318			MW-11_06222011
			Sample Date	4/26/2013	11/22/2013	12/4/2023	3/18/2024	3/18/2024	3/8/2011	6/22/2011	6/22/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	< 10 U	--	--	--	--	< 4 U	< 4 U	< 4 U
1,4-Dichlorobenzene	3	µg/L	< 10 U	--	--	--	--	< 4 U	< 4 U	< 4 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	0.0555 J	< 1 U	< 1 U	--	--	--
2,4-Dimethylphenol	50	µg/L	< 10 U	7.4	--	< 4 U	< 4 U	2.5 J	1.5 J	1.4 J
2-Methylnaphthalene	NSL	µg/L	4.8 J	5.6 J	--	4.7	3.9	9	2.6 J	3.1 J
2-Methylphenol (O-Cresol)	NSL	µg/L	< 10 U	< 7.1 U	--	< 2 U	< 2 U	1 J	1 J	1 J
Anthracene	50	µg/L	< 10 U	0.64 J	--	< 1 U	< 1 U	< 4 U	< 4 U	< 4 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	1.6 J	--	--
Benzyl Butyl Phthalate	50	µg/L	3.5 J	8.5	--	< 2 U	< 2 U	0.43 J	< 4 U	< 4 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	4.9 J	**41**	--	< 2 U	**5.4**	4.3	0.88 J	2.4 J
Carbazole	NSL	µg/L	< 10 U	0.66 J	--	< 1 U	< 1 U	< 4 U	< 4 U	< 4 U
Cresols, M & P	NSL	µg/L	< 10 U	--	--	--	--	0.62 J	0.4 J	0.38 J
Di-N-Butyl Phthalate	50	µg/L	4 J	8.3	--	< 2 U	< 2 U	0.96 J	0.35 J	< 4 U
Di-N-Octylphthalate	50	µg/L	< 10 U	2.8 J	--	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Isophorone	50	µg/L	< 10 U	7.4	--	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Naphthalene	10	µg/L	**59**	**79**	--	**46.2**	**37.5**	**72**	**39**	**42**
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 1 U	26	--	< 2 U	< 2 U	< 4 U	< 4 U	< 4 U
Pentachlorophenol	1	µg/L	< 30 U	**6.5 J**	--	< 4 U	< 4 U	0.37 J	**6.1 J**	**6 J**
Phenanthrene	50	µg/L	< 10 U	0.66 J	--	< 1 U	< 1 U	0.52 J	< 4 U	< 4 U
Phenol	NSL	µg/L	< 10 U	< 7.1 U	--	< 2 U	< 2 U	< 4 U	0.31 J	< 4 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-21D
			Sample Name	MW-11_09162011	MW-11_04022012	MW-11	MW-11-20130425	MW-W MW-11-20130425	MW-11-040518	130054-MW-11-12052023	MW-11-20240320	MW-21D_06212011
			Parent Sample ID									
			Sample Date	9/16/2011	4/2/2012	11/2/2012	4/25/2013	4/25/2013	4/5/2018	12/5/2023	3/20/2024	6/21/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**										
SVOCs (SW8270)												
1,2-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 4 U
1,4-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 4 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	0.29	< 0.1 U	< 1 U	--
2,4-Dimethylphenol	50	µg/L	2 J	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 4 U	< 4 U
2-Methylnaphthalene	NSL	µg/L	3.6 J	7.7 J	5.7 J	11	10	--	--	< 1 U	< 4 U
2-Methylphenol (O-Cresol)	NSL	µg/L	1.6 J	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U
Anthracene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 1 U	< 4 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	1.5 J	< 10 U	< 10 U	**7.2 J**	**8.3 J**	--	--	< 2 U	< 4 U
Carbazole	NSL	µg/L	0.33 J	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 1 U	< 4 U
Cresols, M & P	NSL	µg/L	0.57 J	< 10 U	< 10 U	< 10 U	< 10 U	--	--	--	< 4 U
Di-N-Butyl Phthalate	50	µg/L	0.58 J	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U
Di-N-Octylphthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U
Isophorone	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U
Naphthalene	10	µg/L	**41**	**78**	**65**	**100**	**99**	--	--	2.2	< 4 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	< 2 U	< 4 U
Pentachlorophenol	1	µg/L	**3.5 J**	< 30 U	< 30 U	< 30 U	< 30 U	--	--	< 4 U	< 25 U
Phenanthrene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 1 U	< 4 U
Phenol	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--	< 2 U	< 4 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D
			Sample Name	MW-Y	MW-21D_04022012	MW-Y	MW-21D	MW-Y	MW-21D	MW-21D-20130423	MW-Y	MW-21D-09232022
			Parent Sample ID	MW-21D_06212011		MW-21D_04022012		MW-21D_07162012			MW-21D-20130423	
			Sample Date	6/21/2011	4/2/2012	4/2/2012	7/16/2012	7/16/2012	11/1/2012	4/23/2013	4/23/2013	9/23/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**										
SVOCs (SW8270)												
1,2-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.65 U
1,4-Dichlorobenzene	3	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.65 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.69 U
2-Methylnaphthalene	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.68 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.47 U
Anthracene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.45 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.66 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.82 U
Carbazole	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.42 U
Cresols, M & P	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--
Di-N-Butyl Phthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.45 U
Di-N-Octylphthalate	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 3.9 U
Isophorone	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.54 U
Naphthalene	10	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.6 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 4 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.6 U
Pentachlorophenol	1	µg/L	< 25 U	< 30 U	< 30 U	< 30 U	< 30 U	< 31 U	< 31 U	< 30 U	< 30 U	< 3.4 U
Phenanthrene	50	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.47 U
Phenol	NSL	µg/L	< 4 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.22 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-21D	MW-21D	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S
			Sample Name	130054-MW-21D-12052023	MW-21D-03182024	MW-21S_06212011	MW-21S_09162011	MW-21S_04022012	MW-21S_07182012	MW-21S_11022012
			Parent Sample ID							
			Sample Date	12/5/2023	3/18/2024	6/21/2011	9/16/2011	4/2/2012	7/18/2012	11/2/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**								
SVOCs (SW8270)										
1,2-Dichlorobenzene	3	µg/L	--	--	< 4 U	0.33 J	< 10 U	< 10 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	--	--	< 4 U	0.5 J	< 10 U	< 10 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	0.215	< 1 U	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	--	< 4 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
2-Methylnaphthalene	NSL	µg/L	--	< 1 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
2-Methylphenol (O-Cresol)	NSL	µg/L	--	< 2 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Anthracene	50	µg/L	--	< 1 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	--	< 2 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	< 2 U	< 4 U	0.86 J	< 10 U	< 10 U	< 10 U
Carbazole	NSL	µg/L	--	< 1 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Cresols, M & P	NSL	µg/L	--	--	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Di-N-Butyl Phthalate	50	µg/L	--	< 2 U	0.35 J	1.1 J	< 10 U	< 10 U	< 10 U
Di-N-Octylphthalate	50	µg/L	--	< 2 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Isophorone	50	µg/L	--	< 2 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Naphthalene	10	µg/L	--	< 1 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	< 2 U	< 4 U	< 4 U	< 1 U	< 1 U	< 1 U
Pentachlorophenol	1	µg/L	--	< 4 U	< 25 U	< 25 U	< 30 U	< 30 U	< 31 U
Phenanthrene	50	µg/L	--	< 1 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U
Phenol	NSL	µg/L	--	< 2 U	< 4 U	< 4 U	< 10 U	< 10 U	< 10 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-22RD	MW-22RD
			Sample Name	MW-21S-20130423	MW-21S06072022	MW-21S-09232022	130054-MW-21S-12052023	MW-21S-03182024	MW-22RD-09262022	MW-Y-09262022
			Parent Sample ID							MW-22RD-09262022
			Sample Date	4/23/2013	6/7/2022	9/23/2022	12/5/2023	3/18/2024	9/26/2022	9/26/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**								
SVOCs (SW8270)										
1,2-Dichlorobenzene	3	µg/L	< 10 U	< 0.63 U	< 0.65 U	--	--	< 0.66 U	< 0.66 U
1,4-Dichlorobenzene	3	µg/L	< 10 U	< 0.64 U	< 0.65 U	--	--	< 0.66 U	< 0.66 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	< 0.11 U	< 1 U	--	--
2,4-Dimethylphenol	50	µg/L	< 10 R	< 0.67 U	< 0.69 U	--	< 4 U	< 0.69 U	< 0.69 U
2-Methylnaphthalene	NSL	µg/L	< 10 U	< 0.66 U	< 0.68 U	--	< 1 U	< 0.68 U	< 0.68 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 10 R	< 0.45 U	< 0.47 U	--	< 2 U	< 0.47 U	< 0.47 U
Anthracene	50	µg/L	< 10 U	< 0.44 U	< 0.45 U	--	< 1 U	< 0.46 U	< 0.46 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 10 U	< 0.64 U	< 0.66 U	--	< 2 U	< 0.67 U	< 0.67 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 10 U	< 0.8 U	< 0.82 U	--	< 2 U	< 0.83 U	< 0.83 U
Carbazole	NSL	µg/L	< 10 U	< 0.41 U	< 0.42 U	--	< 1 U	< 0.42 U	< 0.42 U
Cresols, M & P	NSL	µg/L	< 10 R	--	--	--	--	--	--
Di-N-Butyl Phthalate	50	µg/L	< 10 U	< 0.44 U	< 0.45 U	--	< 2 U	< 0.46 U	< 0.46 U
Di-N-Octylphthalate	50	µg/L	< 10 U	< 3.7 U	< 3.9 U	--	< 2 U	< 3.9 U	< 3.9 U
Isophorone	50	µg/L	< 10 U	< 0.53 U	< 0.54 U	--	< 2 U	< 0.55 U	< 0.55 U
Naphthalene	10	µg/L	< 10 U	< 0.59 U	< 0.6 U	--	< 1 U	< 0.61 U	< 0.61 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 1 U	< 0.58 U	< 0.6 U	--	< 2 U	< 0.61 U	< 0.61 U
Pentachlorophenol	1	µg/L	< 30 R	< 3.3 U	< 3.4 U	--	< 4 U	< 3.5 U	< 3.5 U
Phenanthrene	50	µg/L	< 10 U	< 0.46 U	< 0.47 U	--	< 1 U	< 0.47 U	< 0.47 U
Phenol	NSL	µg/L	< 10 R	1.8 J	< 0.22 U	--	< 2 U	< 0.23 U	< 0.23 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-22RD	MW-22RD	MW-22RS	MW-22RS	MW-22RS	MW-23D	MW-23D
			Sample Name	130054-MW-22RD-12052023	MW-22RD-03182024	MW-22RS-09232022	130054-MW-22RS-12052023	MW-22RS-03182024	MW-23D_06202011	MW-23D_09162011
			Parent Sample ID							
			Sample Date	12/5/2023	3/18/2024	9/23/2022	12/5/2023	3/18/2024	6/20/2011	9/16/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**								
SVOCs (SW8270)										
1,2-Dichlorobenzene	3	µg/L	--	--	< 0.66 U	--	--	< 4 UR	< 4 U
1,4-Dichlorobenzene	3	µg/L	--	--	< 0.66 U	--	--	< 4 UR	< 4 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	0.097 J	< 1 U	--	< 0.095 U	< 1 U	--	--
2,4-Dimethylphenol	50	µg/L	--	< 4 U	< 0.7 U	--	< 4 U	< 4 UR	< 4 U
2-Methylnaphthalene	NSL	µg/L	--	< 1 U	< 0.69 U	--	< 1 U	< 4 UR	< 4 U
2-Methylphenol (O-Cresol)	NSL	µg/L	--	< 2 U	< 0.47 U	--	< 2 U	< 4 UR	< 4 U
Anthracene	50	µg/L	--	< 1 U	< 0.46 U	--	< 1 U	< 4 UR	< 4 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	--	< 2 U	< 0.67 U	--	< 2 U	< 4 UR	< 4 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	< 2 U	< 0.84 U	--	< 2 U	< 4 UR	0.6 J
Carbazole	NSL	µg/L	--	< 1 U	< 0.42 U	--	< 1 U	< 4 UR	< 4 U
Cresols, M & P	NSL	µg/L	--	--	--	--	--	< 4 UR	< 4 U
Di-N-Butyl Phthalate	50	µg/L	--	< 2 U	< 0.46 U	--	< 2 U	< 4 UR	< 4 U
Di-N-Octylphthalate	50	µg/L	--	< 2 U	< 3.9 U	--	< 2 U	< 4 UR	< 4 U
Isophorone	50	µg/L	--	< 2 U	< 0.55 U	--	< 2 U	< 4 UR	< 4 U
Naphthalene	10	µg/L	--	< 1 U	< 0.61 U	--	< 1 U	< 4 UR	< 4 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	< 2 U	< 0.61 U	--	< 2 U	< 4 UR	< 4 U
Pentachlorophenol	1	µg/L	--	< 4 U	< 3.5 U	--	< 4 U	< 25 UR	< 25 U
Phenanthrene	50	µg/L	--	< 1 U	< 0.48 U	--	< 1 U	< 4 UR	< 4 U
Phenol	NSL	µg/L	--	< 2 U	< 0.23 U	--	< 2 U	< 4 UR	< 4 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-23D	MW-23D	MW-23D	MW-23D	MW-23S	MW-23S	MW-23S	MW-23S
			Sample Name	MW-23D_03292012	MW-23D_10312012	MW-23D-20130425	MW-23D-06102022	MW-23S_06202011	MW-23S_09162011	MW-23S_03292012	MW-23S_10312012
			Parent Sample ID								
			Sample Date	3/29/2012	10/31/2012	4/25/2013	6/10/2022	6/20/2011	9/16/2011	3/29/2012	10/31/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	< 10 U	< 10 U	< 10 U	< 0.66 U	< 4 UR	< 4 U	< 10 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	< 10 U	< 10 U	< 10 U	< 0.66 U	< 4 UR	< 4 U	< 10 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.69 U	< 4 UR	< 4 U	< 10 U	< 10 U
2-Methylnaphthalene	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.68 U	< 4 UR	< 4 U	< 10 U	< 10 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.47 U	< 4 UR	< 4 U	< 10 U	< 10 U
Anthracene	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.45 U	< 4 UR	< 4 U	< 10 U	< 10 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.66 U	< 4 UR	< 4 U	< 10 U	< 10 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 10 U	< 10 U	< 10 U	< 0.83 U	< 4 UR	0.84 J	< 10 U	< 10 U
Carbazole	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.42 U	< 4 UR	< 4 U	< 10 U	< 10 U
Cresols, M & P	NSL	µg/L	< 10 U	< 10 U	< 10 U	--	< 4 UR	< 4 U	< 10 U	< 10 U
Di-N-Butyl Phthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.45 U	< 4 UR	0.37 J	< 10 U	< 10 U
Di-N-Octylphthalate	50	µg/L	< 10 U	< 10 U	< 10 U	< 3.9 U	< 4 UR	< 4 U	< 10 U	< 10 U
Isophorone	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.54 U	< 4 UR	< 4 U	< 10 U	< 10 U
Naphthalene	10	µg/L	< 10 U	< 10 U	< 10 U	< 0.61 U	< 4 UR	< 4 U	< 10 U	< 10 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 1 U	< 1 U	< 1 U	< 0.6 U	< 4 UR	< 4 U	< 1 U	< 1 U
Pentachlorophenol	1	µg/L	< 31 U	< 30 U	< 30 U	< 3.5 U	< 25 UR	< 25 U	< 30 U	< 30 U
Phenanthrene	50	µg/L	< 10 U	< 10 U	< 10 U	< 0.47 U	< 4 UR	< 4 U	< 10 U	< 10 U
Phenol	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 0.22 U	< 4 UR	< 4 U	< 10 U	< 10 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-23S	MW-23S	MW-24	MW-24	MW-24	MW-24	MW-25RD	MW-25RD
			Sample Name	MW-23S-20130425	MW-23S-06102022	MW-24_04042012	MW-24_07182012	MW-24	MW-24-20130423	MW-25RD06072022	MW-25RD-09232022
			Parent Sample ID								
			Sample Date	4/25/2013	6/10/2022	4/4/2012	7/18/2012	11/1/2012	4/23/2013	6/7/2022	9/23/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**									
SVOCs (SW8270)											
1,2-Dichlorobenzene	3	µg/L	< 10 U	< 0.65 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.67 U	< 0.66 U
1,4-Dichlorobenzene	3	µg/L	< 10 U	< 0.65 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.67 U	< 0.66 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--
2,4-Dimethylphenol	50	µg/L	< 10 U	< 0.69 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.71 U	< 0.69 U
2-Methylnaphthalene	NSL	µg/L	< 10 U	< 0.68 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.7 U	< 0.68 U
2-Methylphenol (O-Cresol)	NSL	µg/L	< 10 U	< 0.47 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.48 U	< 0.47 U
Anthracene	50	µg/L	< 10 U	< 0.45 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.46 U	< 0.46 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	< 10 U	< 0.66 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.68 U	< 0.67 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	< 10 U	< 0.82 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.85 U	< 0.83 U
Carbazole	NSL	µg/L	< 10 U	< 0.42 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.43 U	< 0.42 U
Cresols, M & P	NSL	µg/L	< 10 U	--	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	--	--
Di-N-Butyl Phthalate	50	µg/L	< 10 U	< 0.45 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.46 U	< 0.46 U
Di-N-Octylphthalate	50	µg/L	< 10 U	< 3.9 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 4 U	< 3.9 U
Isophorone	50	µg/L	< 10 U	< 0.54 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.56 U	< 0.55 U
Naphthalene	10	µg/L	< 10 U	< 0.6 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.62 U	< 0.61 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	< 1 U	< 0.6 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.62 U	< 0.61 U
Pentachlorophenol	1	µg/L	< 30 U	< 3.4 U	< 31 U	< 30 U	< 31 U	< 30 U	< 30 U	< 3.5 U	< 3.5 U
Phenanthrene	50	µg/L	< 10 U	< 0.47 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 0.48 U	< 0.47 U
Phenol	NSL	µg/L	< 10 U	< 0.22 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	1.5 J	< 0.23 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

			Location ID	MW-25RD	MW-25RD	MW-25RS	MW-25RS	MW-25RS	MW-30D
			Sample Name	130054-MW-25RD-12052023	MW-25RD-03192024	MW-25RS-09232022	130054-MW-25RS-12052023	MW-25RS-03192024	MW-30D06072022
			Parent Sample ID						
			Sample Date	12/5/2023	3/19/2024	9/23/2022	12/5/2023	3/19/2024	6/7/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**							
SVOCs (SW8270)									
1,2-Dichlorobenzene	3	µg/L	--	--	< 0.65 U	--	--	< 0.72 U
1,4-Dichlorobenzene	3	µg/L	--	--	< 0.65 U	--	--	< 0.72 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 0.095 U	< 1 U	--	< 0.095 U	< 1 U	--
2,4-Dimethylphenol	50	µg/L	--	< 4 U	< 0.69 U	--	< 4 U	< 0.75 U
2-Methylnaphthalene	NSL	µg/L	--	< 1 U	< 0.68 U	--	< 1 U	< 0.74 U
2-Methylphenol (O-Cresol)	NSL	µg/L	--	< 2 U	< 0.47 U	--	< 2 U	< 0.51 U
Anthracene	50	µg/L	--	< 1 U	< 0.45 U	--	< 1 U	< 0.49 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	--	< 2 U	< 0.66 U	--	< 2 U	< 0.73 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	< 2 U	< 0.82 U	--	< 2 U	< 0.9 U
Carbazole	NSL	µg/L	--	< 1 U	< 0.42 U	--	< 1 U	< 0.46 U
Cresols, M & P	NSL	µg/L	--	--	--	--	--	--
Di-N-Butyl Phthalate	50	µg/L	--	< 2 U	< 0.45 U	--	< 2 U	< 0.49 U
Di-N-Octylphthalate	50	µg/L	--	< 2 U	< 3.9 U	--	< 2 U	< 4.2 U
Isophorone	50	µg/L	--	< 2 U	< 0.54 U	--	< 2 U	< 0.59 U
Naphthalene	10	µg/L	--	< 1 U	< 0.6 U	--	< 1 U	< 0.66 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	< 2 U	< 0.6 U	--	< 2 U	< 0.66 U
Pentachlorophenol	1	µg/L	--	< 4 U	< 3.4 U	--	< 4 U	< 3.8 U
Phenanthrene	50	µg/L	--	< 1 U	< 0.47 U	--	< 1 U	< 0.51 U
Phenol	NSL	µg/L	--	< 2 U	< 0.22 U	--	< 2 U	3.5 J

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 4. Historical Summary of SVOCs

			Location ID	MW-30D	MW-30D	MW-30S	MW-30S	MW-30S
			Sample Name	130054-MW-30D-12052023	MW-30D-03192024	MW-30S06072022	130054-MW-30S-12052023	MW-30S-03202024
			Parent Sample ID					
			Sample Date	12/5/2023	3/19/2024	6/7/2022	12/5/2023	3/20/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**						
SVOCs (SW8270)								
1,2-Dichlorobenzene	3	µg/L	--	--	< 0.69 U	--	--
1,4-Dichlorobenzene	3	µg/L	--	--	< 0.69 U	--	--
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 0.095 U	< 1 U	--	< 0.1 U	< 1 U
2,4-Dimethylphenol	50	µg/L	--	< 4 U	< 0.72 U	--	< 4 U
2-Methylnaphthalene	NSL	µg/L	--	< 1 U	< 0.71 U	--	< 1 U
2-Methylphenol (O-Cresol)	NSL	µg/L	--	< 2 U	< 0.49 U	--	< 2 U
Anthracene	50	µg/L	--	< 1 U	< 0.47 U	--	< 1 U
Benzyl Alcohol	NSL	µg/L	--	--	--	--	--
Benzyl Butyl Phthalate	50	µg/L	--	< 2 U	< 0.7 U	--	< 2 U
Bis(2-Ethylhexyl) Phthalate	5	µg/L	--	< 2 U	< 0.87 U	--	< 2 U
Carbazole	NSL	µg/L	--	< 1 U	< 0.44 U	--	< 1 U
Cresols, M & P	NSL	µg/L	--	--	--	--	--
Di-N-Butyl Phthalate	50	µg/L	--	< 2 U	< 0.47 U	--	< 2 U
Di-N-Octylphthalate	50	µg/L	--	< 2 U	< 4.1 U	--	< 2 U
Isophorone	50	µg/L	--	< 2 U	< 0.57 U	--	< 2 U
Naphthalene	10	µg/L	--	< 1 U	< 0.63 U	--	< 1 U
N-Nitrosodi-N-Propylamine	NSL	µg/L	--	< 2 U	< 0.63 U	--	< 2 U
Pentachlorophenol	1	µg/L	--	< 4 U	< 3.6 U	--	< 4 U
Phenanthrene	50	µg/L	--	< 1 U	< 0.49 U	--	< 1 U
Phenol	NSL	µg/L	--	< 2 U	3.1 J	--	< 2 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-01	MW-01	MW-01D	MW-01D	MW-01DD	MW-01DD	MW-01DD	MW-01DD
			Sample Name	MW-1-06102022	MW-1-09262022	MW-1D-06102022	MW-1D-03192024	MW-1DD-06102022	MW-X-06102022	MW-1DD-09262022	MW-1DD-03192024
			Parent Sample ID						MW-1DD-06102022		
			Sample Date	6/10/2022	9/26/2022	6/10/2022	3/19/2024	6/10/2022	6/10/2022	9/26/2022	3/19/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**									
Total Metals (Various Methods)											
Aluminum	NSL	µg/L	12000	420	61	1730	1200	1200	50 J	< 200 U
Antimony	3	µg/L	< 8.9 U	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U	< 8.9 U	< 8.9 U	< 6 U
Arsenic	25	µg/L	**27**	< 4.7 U	4.8 J	7.2	11	12	< 4.7 U	8.1
Barium	1000	µg/L	190	64	100	< 200 U	26 J	24 J	81	< 200 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.8 U	0.84 J	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U	< 0.8 U	< 3 U
Calcium	NSL	µg/L	76000	77000	52000	58900	16000	15000	47000	56700
Chromium, Total	50	µg/L	42	3.5 J	< 2.5 U	< 10 U	4 J	3.6 J	2.8 J	< 10 U
Cobalt	NSL	µg/L	15	< 1.4 U	1.4 J	< 50 U	3.4 J	3.6 J	4 J	< 50 U
Copper	200	µg/L	70	9.8 J	< 3.6 U	< 10 U	6.5 J	13	< 3.6 U	< 10 U
Iron	300	µg/L	**29000**	**560**	**1800**	**6390**	**4400**	**4200**	**2100**	**4170**
Lead	25	µg/L	**87**	< 3 U	< 3 U	14.5	3.2 J	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	16000	11000	11000	15600	2400	2300	10000	11600
Manganese	300	µg/L	**5700**	**2500**	**6200**	**4590**	**970**	**900**	**6800**	**7630**
Mercury	0.7	µg/L	0.047 J	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	< 0.04 U	< 0.04 U	< 0.2 U
Nickel	100	µg/L	22	< 8.8 U	< 8.8 U	< 10 U	< 8.8 U	14	< 8.8 U	< 10 U
Potassium	NSL	µg/L	6500	6500	4500	< 10000 U	3000	2800	8400	< 10000 U
Selenium	10	µg/L	< 11 U	< 11 U	< 11 U	< 10 U	< 11 U	< 11 U	< 11 U	< 10 U
Silver	50	µg/L	7.6 J	< 3.2 U	7.6 J	< 10 U	6.2 J	7.6 J	< 3.2 U	< 10 U
Sodium	20000	µg/L	**70000**	**44000**	**92000**	**73200**	**110000**	**110000**	**32000**	**46100**
Vanadium	NSL	µg/L	44	15	3.7 J	< 50 U	6 J	5.9 J	11	< 50 U
Zinc	2000	µg/L	**7400**	360	76	210	330	300	430	947
Dissolved Metals (SW6010D)										
Arsenic	25	µg/L	--	--	--	--	< 10 U	< 10 U	--	--
Barium	1000	µg/L	--	--	--	--	< 50 U	< 50 U	--	--
Calcium	NSL	µg/L	--	--	--	--	14000	19000	--	--
Iron	300	µg/L	--	--	--	--	77	73	--	--
Magnesium	35000	µg/L	--	--	--	--	2000	2400	--	--
Manganese	300	µg/L	--	--	--	--	**790**	**710**	--	--
Potassium	NSL	µg/L	--	--	--	--	2500	2900	--	--
Sodium	20000	µg/L	--	--	--	--	**110000**	**110000**	--	--
Zinc	2000	µg/L	--	--	--	--	210	230	--	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-05R	MW-07D	MW-07D	MW-07D	MW-07RS	MW-07RS	MW-07RS	MW-08
			Sample Name	MW-5R-03182024	MW-7RD-06082022	MW-7D-09222022	MW-7D-03192024	MW-7RS-06082022	MW-7RS-09222022	MW-7S-03192024	MW-8-03182024
			Parent Sample ID								
			Sample Date	3/18/2024	6/8/2022	9/22/2022	3/19/2024	6/8/2022	9/22/2022	3/19/2024	3/18/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**									
Total Metals (Various Methods)											
Aluminum	NSL	µg/L	< 200 U	6200	800	576	61	< 15 U	< 200 U	< 200 U
Antimony	3	µg/L	< 6 U	< 8.9 U	**14 J**	< 6 U	< 8.9 U	**9.5 J**	< 6 U	< 6 U
Arsenic	25	µg/L	< 3 U	8.3 J	< 4.7 U	< 3 U	< 4.7 U	< 4.7 U	< 3 U	**38.3**
Barium	1000	µg/L	< 200 U	100	61	< 200 U	29 J	28 J	< 200 U	< 200 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 3 U	0.87 J	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U	< 3 U	< 3 U
Calcium	NSL	µg/L	97500	73000	70000	67500	54000	53000	61800	84500
Chromium, Total	50	µg/L	< 10 U	21	< 2.5 U	< 10 U	< 2.5 U	< 2.5 U	< 10 U	< 10 U
Cobalt	NSL	µg/L	< 50 U	11	2.7 J	< 50 U	5.7 J	7.4 J	< 50 U	< 50 U
Copper	200	µg/L	< 10 U	16	12	< 10 U	< 3.6 U	9.7 J	< 10 U	< 10 U
Iron	300	µg/L	**1180**	**19000**	**2700**	**3100**	200	20 J	**336**	**43000**
Lead	25	µg/L	< 3 U	5.5 J	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	18400	15000	13000	13800	17000	16000	12700	10400
Manganese	300	µg/L	**2080**	**6300**	**7300**	**8830**	**5200**	**6000**	**9010**	**1570**
Mercury	0.7	µg/L	< 0.2 U	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	< 0.04 U	< 0.2 U	< 0.2 U
Nickel	100	µg/L	< 10 U	18	< 8.8 U	< 10 U	< 8.8 U	< 8.8 U	10.8	< 10 U
Potassium	NSL	µg/L	< 10000 U	7900	8000	< 10000 U	3400	4000	< 10000 U	< 10000 U
Selenium	10	µg/L	< 10 U	< 11 U	< 11 U	< 10 U	< 11 U	**13 J**	< 10 U	< 10 U
Silver	50	µg/L	< 10 U	< 3.2 U	< 3.2 U	< 10 U	5.8 J	< 3.2 U	< 10 U	< 10 U
Sodium	20000	µg/L	**73300**	**42000**	**48000**	**37900**	**63000**	**65000**	**39100**	**80800**
Vanadium	NSL	µg/L	< 50 U	27	8 J	< 50 U	4 J	6.7 J	< 50 U	< 50 U
Zinc	2000	µg/L	< 20 U	63	120	< 20 U	< 4.2 U	6.8 J	< 20 U	< 20 U
Dissolved Metals (SW6010D)										
Arsenic	25	µg/L	--	< 10 U	--	--	--	--	--	--
Barium	1000	µg/L	--	< 50 U	--	--	--	--	--	--
Calcium	NSL	µg/L	--	68000	--	--	--	--	--	--
Iron	300	µg/L	--	< 50 U	--	--	--	--	--	--
Magnesium	35000	µg/L	--	12000	--	--	--	--	--	--
Manganese	300	µg/L	--	**7000**	--	--	--	--	--	--
Potassium	NSL	µg/L	--	6300	--	--	--	--	--	--
Sodium	20000	µg/L	--	**33000**	--	--	--	--	--	--
Zinc	2000	µg/L	--	< 10 U	--	--	--	--	--	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-08	MW-11	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S	MW-21S	MW-22RD
			Sample Name	MW8-FD1-03182024	MW-11-20240320	MW-21D-06082022	MW-21D-09232022	MW-21D-03192024	MW-21S06072022	MW-21S-09232022	MW-21S-03192024	MW-22RD-06082022
			Parent Sample ID	MW-8-20240318								
			Sample Date	3/18/2024	3/20/2024	6/8/2022	9/23/2022	3/19/2024	6/7/2022	9/23/2022	3/19/2024	6/8/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**										
Total Metals (Various Methods)												
Aluminum	NSL	µg/L	< 200 U	6470	13000	1000	50000	630	110	6850	640
Antimony	3	µg/L	< 6 U	< 6 U	< 8.9 U	< 8.9 U	< 600 U	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U
Arsenic	25	µg/L	**35.2**	22.5	**50**	< 4.7 U	< 300 U	< 4.7 U	< 4.7 U	**30.4**	< 4.7 U
Barium	1000	µg/L	< 200 U	< 200 U	**1900**	150	**36300**	55	55	350	160
Beryllium	3	µg/L	< 1 U	< 1 U	1.5 J	< 1 U	< 100 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 3 U	< 3 U	2.7 J	0.94 J	< 300 U	< 0.8 U	< 0.8 U	< 3 U	< 0.8 U
Calcium	NSL	µg/L	77800	72700	48000	57000	155000	56000	55000	60200	38000
Chromium, Total	50	µg/L	< 10 U	10.8	**100**	7.1 J	**3820**	< 2.5 U	< 2.5 U	25.5	< 2.5 U
Cobalt	NSL	µg/L	< 50 U	< 50 U	28	2.3 J	256	< 1.4 U	< 1.4 U	< 50 U	2.7 J
Copper	200	µg/L	< 10 U	78.4	97	10	< 1000 U	< 10 U	< 3.6 U	49.4	4.9 J
Iron	300	µg/L	**39500**	**18300**	**140000**	**6900**	**1820000**	**2500**	**590**	**33800**	**33000**
Lead	25	µg/L	< 3 U	18.1	**54**	< 3 U	< 1500 U	< 3 U	< 3 U	15.1	< 3 U
Magnesium	35000	µg/L	9740	9180	16000	11000	< 500000 U	11000	10000	12700	13000
Manganese	300	µg/L	**1480**	**840**	**200000**	**15000**	**3170000**	**2500**	**2600**	**14500**	**2000**
Mercury	0.7	µg/L	< 0.2 U	< 0.2 U	0.044 J	< 0.04 U	< 3 U	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U
Nickel	100	µg/L	< 10 U	< 10 U	46	< 8.8 U	< 1000 U	< 8.8 U	< 8.8 U	13.6	< 8.8 U
Potassium	NSL	µg/L	< 10000 U	< 10000 U	5200	4700	< 1000000 U	4000	4600	< 10000 U	2600
Selenium	10	µg/L	< 10 U	< 10 U	**93**	< 11 U	< 1000 U	**32 J**	< 11 U	< 50 U	**18 J**
Silver	50	µg/L	< 10 U	< 10 U	**110**	< 3.2 U	< 1000 U	< 3.2 U	< 3.2 U	< 10 U	3.8 J
Sodium	20000	µg/L	**73500**	**37600**	**85000**	**75000**	< 100000 U	**26000**	**36000**	**60000**	**67000**
Vanadium	NSL	µg/L	< 50 U	< 50 U	120	18	< 5000 U	< 3.1 U	9.9 J	50.8	3.2 J
Zinc	2000	µg/L	< 20 U	277	**2400**	110	**9490**	6.7 J	4.5 J	113	13
Dissolved Metals (SW6010D)											
Arsenic	25	µg/L	--	11.1	< 10 U	--	< 3 U	--	--	< 3 U	--
Barium	1000	µg/L	--	< 200 U	< 50 U	--	< 200 U	--	--	< 200 U	--
Calcium	NSL	µg/L	--	77900	37000	--	35200	--	--	65800	--
Iron	300	µg/L	--	**6750**	< 50 U	--	106	--	--	< 100 U	--
Magnesium	35000	µg/L	--	8190	11000	--	9720	--	--	11600	--
Manganese	300	µg/L	--	**781**	**9100**	--	**9550**	--	--	**1220**	--
Potassium	NSL	µg/L	--	< 10000 U	2800	--	< 10000 U	--	--	< 10000 U	--
Sodium	20000	µg/L	--	**39800**	**88000**	--	**103000**	--	--	**70000**	--
Zinc	2000	µg/L	--	138	65	--	< 20 U	--	--	< 20 U	--

Notes:
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µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-22RD	MW-22RD	MW-22RD	MW-22RS	MW-22RS	MW-22RS	MW-23D	MW-23S
			Sample Name	MW-22RD-09262022	MW-Y-09262022	MW-22RD-03182024	MW-22RS-06082022	MW-22RS-09232022	MW-22RS-03182024	MW-23D-06102022	MW-23S-06102022
			Parent Sample ID		MW-22RD-09262022						
			Sample Date	9/26/2022	9/26/2022	3/18/2024	6/8/2022	9/23/2022	3/18/2024	6/10/2022	6/10/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**									
Total Metals (Various Methods)											
Aluminum	NSL	µg/L	120	76	< 200 U	2900	530	< 200 U	430	82
Antimony	3	µg/L	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U	< 8.9 U
Arsenic	25	µg/L	< 4.7 U	< 4.7 U	< 3 U	13	< 4.7 U	< 3 U	18	< 4.7 U
Barium	1000	µg/L	180	180	< 200 U	160	110	< 200 U	31 J	43 J
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.8 U	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U
Calcium	NSL	µg/L	42000	40000	41200	31000	30000	36000	42000	69000
Chromium, Total	50	µg/L	2.6 J	< 2.5 U	< 10 U	10 J	2.9 J	< 10 U	< 2.5 U	< 2.5 U
Cobalt	NSL	µg/L	2.1 J	< 1.4 U	< 50 U	3.8 J	1.5 J	< 50 U	< 1.4 U	< 1.4 U
Copper	200	µg/L	< 3.6 U	< 3.6 U	< 10 U	26	5.4 J	< 10 U	4 J	< 3.6 U
Iron	300	µg/L	**30000**	**30000**	**17500**	**25000**	**11000**	**1950**	**5200**	220
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	25	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	16000	15000	14100	9300	8000	8410	9500	13000
Manganese	300	µg/L	**1900**	**1800**	**2230**	**2900**	**2100**	**2630**	230	**3800**
Mercury	0.7	µg/L	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	< 0.04 U
Nickel	100	µg/L	< 8.8 U	< 8.8 U	< 10 U	14	< 8.8 U	< 10 U	9 J	< 8.8 U
Potassium	NSL	µg/L	3000	3000	< 10000 U	3400	3600	< 10000 U	4000	4300
Selenium	10	µg/L	< 11 U	< 11 U	< 10 U	< 11 U	< 11 U	< 10 U	< 11 U	< 11 U
Silver	50	µg/L	< 3.2 U	< 3.2 U	< 10 U	11	< 3.2 U	< 10 U	< 3.2 U	4.9 J
Sodium	20000	µg/L	**84000**	**81000**	**89400**	**140000**	**120000**	**121000**	**40000**	**58000**
Vanadium	NSL	µg/L	14	14	< 50 U	56	20	< 50 U	4.4 J	3.3 J
Zinc	2000	µg/L	18	14	< 20 U	110	33	236	1300	480
Dissolved Metals (SW6010D)										
Arsenic	25	µg/L	--	--	--	< 10 U	--	--	--	--
Barium	1000	µg/L	--	--	--	100	--	--	--	--
Calcium	NSL	µg/L	--	--	--	30000	--	--	--	--
Iron	300	µg/L	--	--	--	**7900**	--	--	--	--
Magnesium	35000	µg/L	--	--	--	8200	--	--	--	--
Manganese	300	µg/L	--	--	--	**2700**	--	--	--	--
Potassium	NSL	µg/L	--	--	--	3000	--	--	--	--
Sodium	20000	µg/L	--	--	--	**130000**	--	--	--	--
Zinc	2000	µg/L	--	--	--	12	--	--	--	--

Notes:
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µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-25RD	MW-25RD	MW-25RD	MW-25RS	MW-25RS	MW-25RS	MW-30D	MW-30D
			Sample Name	MW-25RD06072022	MW-25RD-09232022	MW-25RD-03192024	MW-25RS06072022	MW-25RS-09232022	MW-25RS-03192024	MW-30D06072022	MW-30D-09222022
			Parent Sample ID								
			Sample Date	6/7/2022	9/23/2022	3/19/2024	6/7/2022	9/23/2022	3/19/2024	6/7/2022	9/22/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**									
Total Metals (Various Methods)											
Aluminum	NSL	µg/L	54	< 15 U	< 200 U	190	44 J	< 200 U	32 J	29 J
Antimony	3	µg/L	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U	< 8.9 U	< 6 U	< 8.9 U	**13 J**
Arsenic	25	µg/L	< 4.7 U	< 4.7 U	< 3 U	< 4.7 U	< 4.7 U	< 3 U	< 4.7 U	< 4.7 U
Barium	1000	µg/L	86	110	< 200 U	42 J	40 J	< 200 U	110	58
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.8 U	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U	< 3 U	< 0.8 U	< 0.8 U
Calcium	NSL	µg/L	30000	42000	56600	43000	51000	69300	64000	55000
Chromium, Total	50	µg/L	< 2.5 U	< 2.5 U	< 10 U	22	6.7 J	< 10 U	3.2 J	< 2.5 U
Cobalt	NSL	µg/L	2.3 J	2.9 J	< 50 U	< 1.4 U	< 1.4 U	< 50 U	< 1.4 U	< 1.4 U
Copper	200	µg/L	< 10 U	< 3.6 U	< 10 U	< 10 U	< 3.6 U	< 10 U	12	19
Iron	300	µg/L	**5800**	**10000**	**1650**	300	100	**1060**	**740**	**310**
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	10000	15000	13600	8300	10000	13300	14000	13000
Manganese	300	µg/L	**5600**	**11000**	**9350**	**4800**	**3600**	**3340**	**10000**	**7300**
Mercury	0.7	µg/L	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	< 0.04 U	< 0.2 U	< 0.04 U	0.19
Nickel	100	µg/L	< 8.8 U	< 8.8 U	< 10 U	< 8.8 U	< 8.8 U	< 10 U	12	< 8.8 U
Potassium	NSL	µg/L	6600	6700	< 10000 U	3500	4400	< 10000 U	6300	7100
Selenium	10	µg/L	**23 J**	< 11 U	< 10 U	**32 J**	< 11 U	< 10 U	**37 J**	< 11 U
Silver	50	µg/L	9.2 J	< 3.2 U	< 10 U	4.7 J	< 3.2 U	< 10 U	13	< 3.2 U
Sodium	20000	µg/L	**110000**	**98000**	**77700**	**41000**	**37000**	**63300**	**150000**	**150000**
Vanadium	NSL	µg/L	< 3.1 U	13	< 50 U	< 3.1 U	9 J	< 50 U	< 3.1 U	9.4 J
Zinc	2000	µg/L	< 4.2 U	< 4.2 U	< 20 U	6.8 J	< 4.2 U	< 20 U	5.3 J	9.6 J
Dissolved Metals (SW6010D)										
Arsenic	25	µg/L	--	--	--	--	--	--	--	--
Barium	1000	µg/L	--	--	--	--	--	--	--	--
Calcium	NSL	µg/L	--	--	--	--	--	--	--	--
Iron	300	µg/L	--	--	--	--	--	--	--	--
Magnesium	35000	µg/L	--	--	--	--	--	--	--	--
Manganese	300	µg/L	--	--	--	--	--	--	--	--
Potassium	NSL	µg/L	--	--	--	--	--	--	--	--
Sodium	20000	µg/L	--	--	--	--	--	--	--	--
Zinc	2000	µg/L	--	--	--	--	--	--	--	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 5. Historical Summary of Metals

			Location ID	MW-30D	MW-30S	MW-30S
			Sample Name	MW-30D-03192024	MW-30S06072022	MW-30S-03202024
			Parent Sample ID			
			Sample Date	3/19/2024	6/7/2022	3/20/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**				
Total Metals (Various Methods)						
Aluminum	NSL	µg/L	< 200 U	640	601
Antimony	3	µg/L	< 6 U	< 8.9 U	< 6 U
Arsenic	25	µg/L	< 3 U	< 4.7 U	4.5
Barium	1000	µg/L	< 200 U	130	< 200 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 3 U	< 0.8 U	< 3 U
Calcium	NSL	µg/L	53700	75000	79600
Chromium, Total	50	µg/L	< 10 U	< 2.5 U	< 10 U
Cobalt	NSL	µg/L	< 50 U	2.6 J	< 50 U
Copper	200	µg/L	< 10 U	< 10 U	< 10 U
Iron	300	µg/L	**413**	**1600**	**1280**
Lead	25	µg/L	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	14900	18000	19800
Manganese	300	µg/L	**3670**	**7200**	**1940**
Mercury	0.7	µg/L	< 0.2 U	< 0.04 U	< 0.2 U
Nickel	100	µg/L	< 10 U	< 8.8 U	< 10 U
Potassium	NSL	µg/L	< 10000 U	7400	< 10000 U
Selenium	10	µg/L	< 10 U	**39 J**	< 10 U
Silver	50	µg/L	< 10 U	11	< 10 U
Sodium	20000	µg/L	**61500**	**130000**	**61400**
Vanadium	NSL	µg/L	< 50 U	3.7 J	< 50 U
Zinc	2000	µg/L	< 20 U	12	< 20 U
Dissolved Metals (SW6010D)					
Arsenic	25	µg/L	--	--	< 3 U
Barium	1000	µg/L	--	--	< 200 U
Calcium	NSL	µg/L	--	--	77200
Iron	300	µg/L	--	--	< 100 U
Magnesium	35000	µg/L	--	--	19200
Manganese	300	µg/L	--	--	**1700**
Potassium	NSL	µg/L	--	--	< 10000 U
Sodium	20000	µg/L	--	--	**59600**
Zinc	2000	µg/L	--	--	< 20 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
ND = Not detected; reporting limit is unknown.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Table 6 Historical Summary of PFAS and 1,4-dioxane

		Location ID	MW-01	MW-01	MW-01	MW-01D	MW-01D	MW-01D	MW-01D	MW-01DD
		Sample Name	MW-01	MW-1	130054-MW-1-12052023	MW-01D	MW-1D	130054-MW-1D-12052023	MW-1D-03192024	MW-1DD
		Parent Sample ID								
		Sample Date	11/2/2017	3/24/2017	12/5/2023	11/2/2017	3/21/2017	12/5/2023	3/19/2024	3/21/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**								
PFAS (E537M/E1664)										
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	--	< 48 U	--	--	< 47 U	< 44 U	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	--	< 1.9 U	--	--	< 1.9 U	1.3 J	--
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	--	< 19 U	--	--	< 19 U	< 18 U	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	--	0.97 J	--	--	0.76 J	1.8	--
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	--	< 19 U	--	--	< 19 U	< 18 U	--
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	19	25.9	6	16	24.8	28.7	4.2	13.6
Perfluorobutanoic Acid	NSL	ng/L	17	--	14	15	--	23.5	6.7 J	--
Perfluorodecanoic acid (PFDA)	NSL	ng/L	13	--	1.4 J	4.7	--	1.3 J	2	--
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	0.65 J	--	< 1.9 U	< 1.7 U	--	< 1.9 U	< 1.8 U	--
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	3.7	--	0.94 J	1.4 J	--	3.3	1.1 J	--
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	30	19.6	7.3	17	18.2	18.5	4.6	17.3
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	11	8.53	2.4	7.7	9.13	10.9	3.1	9.56
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	36	--	8.5	24	--	19.8	5.6	--
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	--	< 1.9 U	--	--	< 1.9 U	< 1.8 U	--
Perfluorononanoic acid (PFNA)	NSL	ng/L	14	5.76	1.9	7	6.29	6.3	2.3	3.36
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	1.7	--	0.81 J	0.99 J	--	2.5	1.8	--
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**230**	**101**	**76.6**	**100**	**114**	**221**	**91.2**	**109**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**86**	**62.8**	**18.2**	**52**	**57.6**	**63.4**	**16.8**	**93.6**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	--	1.2 J	--	--	2.6	< 1.8 U	--
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	35	--	10.2	25	--	20	6.8	--
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.7 U	--	< 1.9 U	< 1.7 U	--	< 1.9 U	< 1.8 U	--
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	1.1 J	--	< 1.9 U	< 1.7 U	--	< 1.9 U	< 1.8 U	--
SVOCs (SW8270E-SIM)										
1,4-dioxane	0.35	µg/L	--	--	< 0.050 U	--	--	0.151	< 1U	--

Notes:
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-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

		Location ID	MW-01DD	MW-01DD	MW-02	MW-02	MW-04R	MW-05R	MW-05R
		Sample Name	MW-01DD	MW-1DD-03192024	MW-02	130054-MW-2-12042023	130054-MW-4R-12042023	MW-05R	130054-MW-5R-12042023
		Parent Sample ID							
		Sample Date	11/2/2017	3/19/2024	11/8/2017	12/4/2023	12/4/2023	11/6/2017	12/4/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**							
PFAS (E537M/E1664)									
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 46 U	--	< 47 U	< 47 U	--	< 47 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	< 1.8 U	--	< 1.9 U	1.2 J	--	< 1.9 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	< 18 U	--	< 19 U	< 19 U	--	< 19 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	< 1.8 U	--	< 1.9 U	0.53 J	--	< 1.9 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 18 U	--	< 19 U	< 19 U	--	< 19 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	6.5	2.5	1.1 J	1.3 J	2.4	53	27.2
Perfluorobutanoic Acid	NSL	ng/L	8.4	5.4 J	2.5	1.7 J	5 J	28	9.5
Perfluorodecanoic acid (PFDA)	NSL	ng/L	1.5 J	1.2 J	< 2 U	< 1.9 U	0.6 J	0.55 J	1.1 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 1.7 U	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U	< 2.1 U	< 1.9 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	1.6 J	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U	2.1	4.7
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	12	4.9	1.9 J	< 1.9 U	2.5	44	13.4
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	7.3	2.9	1.4 J	< 1.9 U	1.6 J	25	9.4
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	12	4	2.2	0.91 J	4.2	41	12.8
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.8 U	--	< 1.9 U	< 1.9 U	--	< 1.9 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	2.7	2.3	1.1 J	1.1 J	0.59 J	5.8	10.2
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	0.92 J	5.2	< 2 U	< 1.9 U	< 1.9 U	< 2.1 U	< 1.9 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**94**	**90.1**	**15**	**13.4**	**30.6**	**52**	**138**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**65**	**35.1**	**6.8**	1.4 J	**7.4**	**120**	**68.7**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	< 1.8 U	--	< 1.9 U	< 1.9 U	--	1.9
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	10	4.6	2.5	< 3.7 U	2.6 J	30	11.7
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.7 U	< 1.8 U	0.6 J	< 1.9 U	< 1.9 U	< 2.1 U	< 1.9 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 1.7 U	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U	1.6 J	< 1.9 U
SVOCs (SW8270E-SIM)									
1,4-dioxane	0.35	µg/L	--	--	--	< 0.050 U	< 0.050 U	--	0.149

Notes:
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J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

			Location ID	MW-05R	MW-07D	MW-07D	MW-07RS	MW-07RS	MW-07RS
			Sample Name	MW-5R-03182024	130054-MW-7D-12042023	MW-7D-03192024	130054-MW-7RS-12042023	130054-DUP-01-12042023	MW-7S-03192024
			Parent Sample ID					130054-MW-7RS-20231204	
			Sample Date	3/18/2024	12/4/2023	3/19/2024	12/4/2023	12/4/2023	3/19/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**							
PFAS (E537M/E1664)									
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 52 U	< 46 U	< 48 U	< 45 U	< 46 U	< 50 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 2.1 U	3.1	< 1.9 U	2.5	2	< 2 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 21 U	< 18 U	< 19 U	< 18 U	< 19 U	< 20 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	< 2.1 U	4.2	1.8 J	3.4	2.6	0.68 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 21 U	< 18 U	< 19 U	< 18 U	< 19 U	< 20 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	50.4	10.8	3.9	7.1	7.3	2.3
Perfluorobutanoic Acid	NSL	ng/L	5.7 J	20.7	7.5 J	14.3	12.6	5.7 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 2.1 U	2.4	0.89 J	1.4 J	1.4 J	0.74 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.9 U	< 1.8 U	< 1.9 U	< 2 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	2 J	1.3 J	< 1.9 U	1.6 J	1 J	< 2 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	14	15.2	5.1	8.2	8.9	3.9
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	7.9	8	5	5.9	6.9	4.9
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	9.8	19.1	6.9	11.8	12	4.8
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.9 U	< 1.8 U	< 1.9 U	< 2 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	4.9	3.7	2.7	3.8	3.3	1.5 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 2.1 U	2.8	1.4 J	1.3 J	0.98 J	< 2 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**59**	**167**	**73.4**	**111**	**108**	**50.7**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**66.8**	**53.8**	**27.7**	**33.5**	**32.3**	**20.6**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	1.7 J	3.3	< 1.9 U	2	2	< 2 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	5.8	21.6	6.9	11.9	14.6	5.4
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.9 U	< 1.8 U	< 1.9 U	< 2 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.9 U	0.63 J	< 1.9 U	< 2 U
SVOCs (SW8270E-SIM)									
1,4-dioxane	0.35	µg/L	< 1 U	0.135	< 1U	0.119	< 0.050 U	< 0.1 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
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J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

			Location ID	MW-08	MW-08	MW-08	MW-08	MW-11	MW-11	MW-11
			Sample Name	MW-08	130054-MW-8-12042023	MW-8-03182024	MW8-FD1-03182024	MW-11	130054-MW-11-12052023	MW-11-20240320
			Parent Sample ID				MW-8-20240318			
			Sample Date	11/6/2017	12/4/2023	3/18/2024	3/18/2024	11/6/2017	12/5/2023	3/20/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**								
PFAS (E537M/E1664)										
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	10.5 J	8.8 J	8.1 J	--	< 47 U	11.7 J
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	27.5	28	26.4	--	4.1	1.5 J
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	54.5	23.1	20.7	--	< 19 U	< 20 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	27.2	27.3	26.8	--	12.2	3.8
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	45.3	26	22.7	--	< 19 U	< 20 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	13	7	6.8	5.8	14	2.1	4.6
Perfluorobutanoic Acid	NSL	ng/L	190	< 7.5 U	50.8	< 7.1 U	450	< 7.6 U	< 8 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	6.7	6.5	4.9	4.4	6.9	1.2 J	1.4 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 2.1 U	< 1.9 U	< 2.2 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	13	11.1	15.1	13.1	13	2.5	11.3
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	13	9.5	9.7	9.1	16	3.7	7.6
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	20	17.5	26	19	28	5.8	35.3
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	13	11.3	11.9	11.7	18	4.8	9.7
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.9 U	< 2.2 U	2.5	--	< 1.9 U	< 2 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	16	15	16.9	16.2	26	3	11.2
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	3.9	11	11.5	10.3	1.2 J	4.3	1.5 J
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**1700**	**1770**	**1650**	**1260**	**1800**	**280**	**776**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**93**	**84.1**	**84.6**	**81.2**	**120**	**16.3**	**97.3**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	< 1.9 U	< 2.2 U	< 1.8 U	--	2.4	5.2
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	< 2.1 U	233	< 4.3 U	< 3.6 U	< 2 U	48.1	< 4 U
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 2.1 U	< 1.9 U	< 2.2 U	< 1.8 U	< 2 U	< 1.9 U	< 2 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 2.1 U	8.6	< 2.2 U	7.5	< 2 U	1 J	< 2 U
SVOCs (SW8270E-SIM)									
1,4-dioxane	0.35	µg/L	--	0.0555 J	< 1 U	< 1 U	--	< 0.050 U	< 1 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

		Location ID	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S	MW-21S	MW-22RD
		Sample Name	MW-21D	130054-MW-21D-12052023	MW-21D-03182024	MW-21S	130054-MW-21S-12052023	MW-21S-03182024	MW-22RD
		Parent Sample ID							
		Sample Date	11/7/2017	12/5/2023	3/18/2024	11/3/2017	12/5/2023	3/18/2024	3/21/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**							
PFAS (E537M/E1664)									
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 47 U	< 53 U	--	< 47 U	< 52 U	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	< 1.9 U	< 2.1 U	--	< 1.9 U	< 2.1 U	--
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	< 19 U	< 21 U	--	< 19 U	< 21 U	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	1.1 J	< 2.1 U	--	0.72 J	1 J	--
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 19 U	< 21 U	--	< 19 U	< 21 U	--
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.8	4.9	3.4	35	4.9	1.4 J	5.8
Perfluorobutanoic Acid	NSL	ng/L	29	7.9	5.1 J	26	10.3	6.1 J	--
Perfluorodecanoic acid (PFDA)	NSL	ng/L	1.9 J	1.2 J	< 2.1 U	87	0.9 J	1.2 J	--
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 2 U	< 1.9 U	< 2.1 U	2.4	< 1.9 U	< 2.1 U	--
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	1.6 J	< 1.9 U	< 2.1 U	3.7	< 1.9 U	< 2.1 U	--
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	18	6.6	4.9	48	10	2.6	7.49
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	8	4	3.7	8.8	5	2 J	6.49
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	24	8.5	6.6	66	12.5	3.3	--
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.9 U	< 2.1 U	--	< 1.9 U	< 2.1 U	--
Perfluorononanoic acid (PFNA)	NSL	ng/L	4.9	2.8	2.1	29	3.9	1.2 J	3.31
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	1.8 J	0.94 J	< 2.1 U	4.5	< 1.9 U	< 2.1 U	--
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**110**	**68.4**	**48.1**	**480**	**47.4**	**43.9**	**88.8**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**59**	**26.1**	**19.7**	**110**	**32.1**	**8**	**35.7**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	1.3 J	< 2.1 U	--	1.5 J	< 2.1 U	--
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	17	7.8	5.8	74	13.5	4.1 J	--
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 2 U	< 1.9 U	< 2.1 U	< 2.2 U	< 1.9 U	< 2.1 U	--
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 2 U	< 1.9 U	< 2.1 U	7.6	< 1.9 U	< 2.1 U	--
SVOCs (SW8270E-SIM)									
1,4-dioxane	0.35	µg/L	--	0.215	< 1 U	--	< 0.053 U	< 1 U	--

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

		Location ID	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RS	MW-22RS
		Sample Name	MW-X	MW-22RD	130054-MW-22RD-12052023	MW-22RD-03182024	MW-22RS	130054-MW-22RS-12052023
		Parent Sample ID	MW-22RD-20170321					
		Sample Date	3/21/2017	11/3/2017	12/5/2023	3/18/2024	11/2/2017	12/5/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**						
PFAS (E537M/E1664)								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	--	< 47 U	< 55 U	--	< 46 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	--	< 1.9 U	< 2.2 U	--	< 1.8 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	--	< 19 U	< 22 U	--	< 18 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	--	1.1 J	< 2.2 U	--	0.64 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	--	< 19 U	< 22 U	--	< 18 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.66	7.4	4.9	2.3	5.7	3.7
Perfluorobutanoic Acid	NSL	ng/L	--	20	9.1	4.8 J	18	5.8 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	--	1.2 J	1.5 J	0.98 J	2.7	1.4 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	--	< 1.9 U	< 1.9 U	< 2.2 U	< 1.9 U	< 1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	--	1 J	< 1.9 U	< 2.2 U	1.9	0.97 J
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	7.46	8.2	5.1	3.3	9.5	3.5
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	6.35	6.1	3.5	1.9 J	6.8	2.9
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	--	10	7.6	3.9	14	5.3
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	--	< 1.9 U	< 2.2 U	--	< 1.8 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	3.34	3	2.5	1.3 J	5.6	2
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	1.1 J	< 1.9 U	< 2.2 U	0.83 J	1.1 J
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**89.2**	**86**	**62.8**	**49.1**	**140**	**51**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**35.3**	**42**	**19.4**	**13.2**	**36**	**14.9**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	--	1.6 J	< 2.2 U	--	< 1.8 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	--	17	7.3	5.6	16	5.4
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	--	< 1.9 U	< 1.9 U	< 2.2 U	< 1.9 U	< 1.8 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	--	< 1.9 U	< 1.9 U	< 2.2 U	< 1.9 U	< 1.8 U
SVOCs (SW8270E-SIM)								
1,4-dioxane	0.35	µg/L	--	--	0.097 J	< 1 U	--	< 0.048 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

			Location ID	MW-22RS	MW-25RD	MW-25RD	MW-25RS	MW-25RS
			Sample Name	MW-22RS-03182024	130054-MW-25RD-12052023	MW-25RD-03192024	130054-MW-25RS-12052023	MW-25RS-03192024
			Parent Sample ID					
			Sample Date	3/18/2024	12/5/2023	3/19/2024	12/5/2023	3/19/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**						
PFAS (E537M/E1664)								
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 53 U	< 46 U	< 44 U	< 45 U	< 43 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 2.1 U	0.96 J	< 1.8 U	< 1.8 U	< 1.7 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 21 U	< 18 U	< 18 U	< 18 U	< 17 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	1.2 J	2.5	1.3 J	1.7 J	0.94 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 21 U	< 18 U	< 18 U	< 18 U	< 17 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.5	4.4	2.3	6.6	2.9
Perfluorobutanoic Acid	NSL	ng/L	6.7 J	7 J	5.2 J	8	6.3 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	0.91 J	1.4 J	0.84 J	1.5 J	1.1 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.8 U	0.93 J	0.68 J
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.8 U	1.2 J	< 1.7 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	6.2	5	2.8	7.8	2.8
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	3.7	2.4	2.1	4.6	1.8
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	7.4	5.7	3.2	7.8	2.7
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.7 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	2.1	2.4	1.3 J	3	1.1 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	1.1 J	1.5 J	1.3 J	0.64 J	< 1.7 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**44.9**	**56.9**	**35.9**	**62.2**	**36.9**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**20.3**	**16.3**	**9.1**	**24.4**	**10**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	1.4 J	1.2 J	< 1.8 U	1.3 J	< 1.7 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	8.7	6.6	3.1 J	8	3.8
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.7 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 2.1 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1.7 U
SVOCs (SW8270E-SIM)								
1,4-dioxane	0.35	µg/L	< 1 U	< 0.048 U	< 1 U	< 0.048 U	< 1 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Tab **Table 6 Historical Summary of PFAS and 1,4-dioxane**

			Location ID	MW-30D	MW-30D	MW-30S	MW-30S
			Sample Name	130054-MW-30D-12052023	MW-30D-03192024	130054-MW-30S-12052023	MW-30S-03202024
			Parent Sample ID				
			Sample Date	12/5/2023	3/19/2024	12/5/2023	3/20/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**					
PFAS (E537M/E1664)							
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 46 U	< 49 U	< 45 U	< 49 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 19 U	< 20 U	< 18 U	< 20 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	1.1 J	0.87 J	0.61 J	< 2 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 19 U	< 20 U	< 18 U	< 20 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	2.1	2.2	2.7	1.7 J
Perfluorobutanoic Acid	NSL	ng/L	6.5 J	6.2 J	8.2	6.6 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	0.7 J	0.87 J	0.67 J	< 2 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	2.6	2.6	3.1	2.4
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	< 1.9 U	1.6 J	2.3	< 2 U
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	3.5	3.1	4.6	2.8
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	0.68 J	0.55 J	0.89 J	< 2 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**15.6**	**19.4**	**24.7**	2.2
Perfluorooctanoic acid (PFOA)	6.7	ng/L	5.4	**8.5**	**9.5**	4.4
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	5	3.8 J	5.4	3.4 J
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 1.9 U	< 2 U	< 1.8 U	< 2 U
SVOCs (SW8270E-SIM)						
1,4-dioxane	0.35	µg/L	< 0.048 U	< 1 U	< 0.050 U	< 1 U

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
NSL = No screening level available.
R = Result was rejected.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

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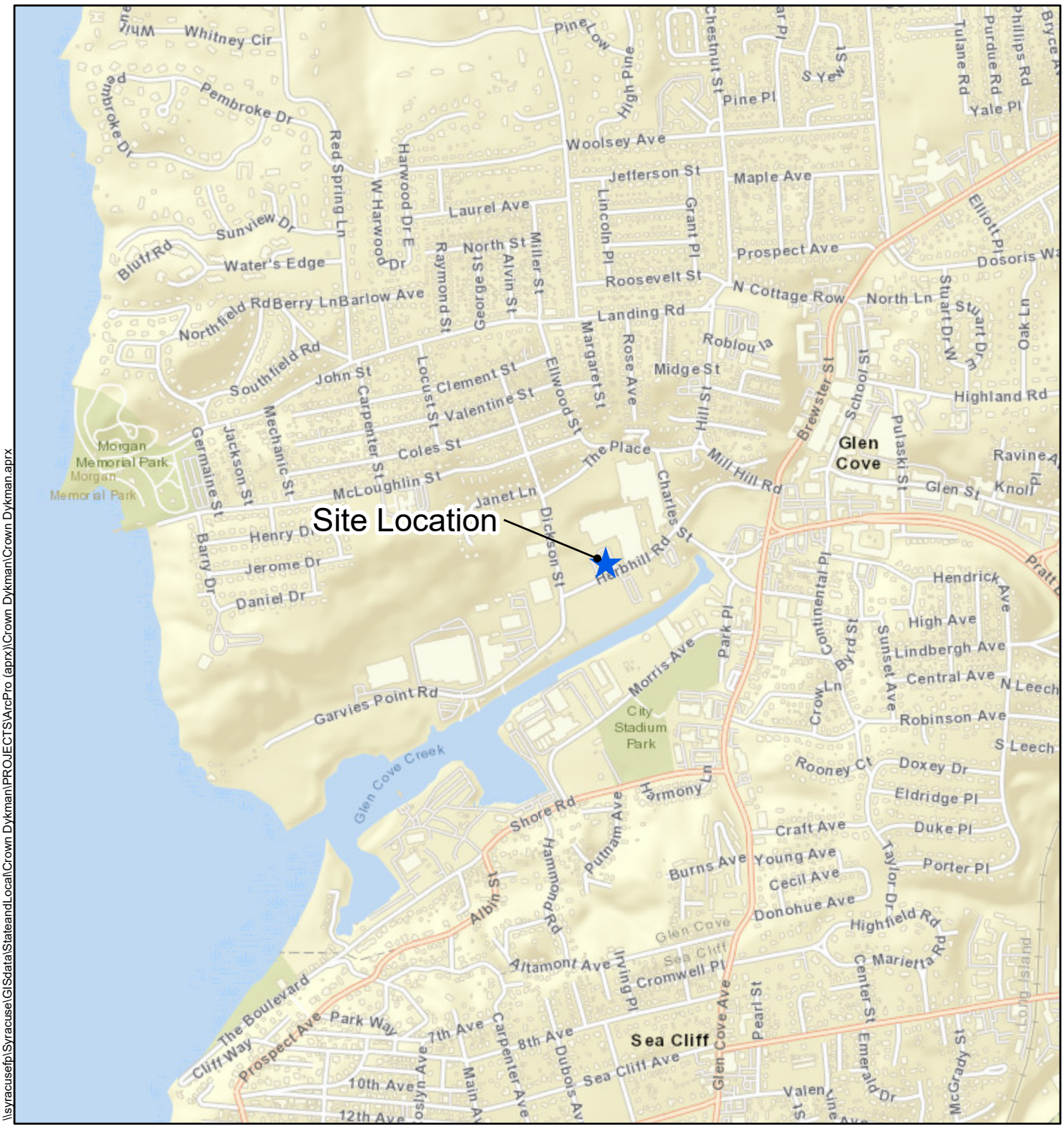
Figures



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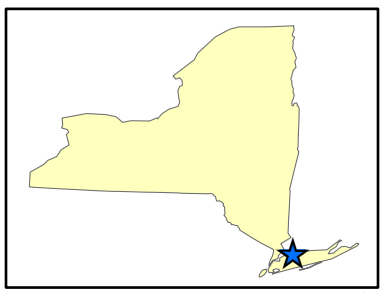

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Miles

N

Legend

★ Site Location

Figure 1
Site Location
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

Map Date: 4/22/2024
Projection: NAD83 State Plane New York East
FIPS 3104 Feet

NEW YORK STATE Department of Environmental Conservation

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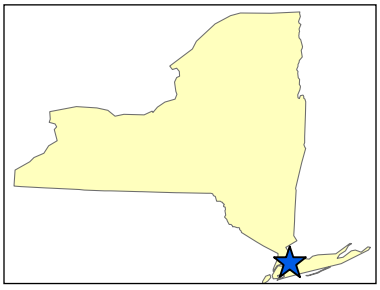

Legend

- Site Location
- Site Parcels
- Monitoring Well- Sampled
- Monitoring Well- Not Found or Not Sampled
- Injection Well
- Horizontal Injection Gallery Header

0 30 60
Feet

N

Figure 2
Site Layout

Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

Map Date: 5/15/2024
Source: NYS GIS Clearinghouse Orthoimagery, 2023
Projection: NAD 1983 State Plane New York East

NEW YORK STATE Department of Environmental Conservation

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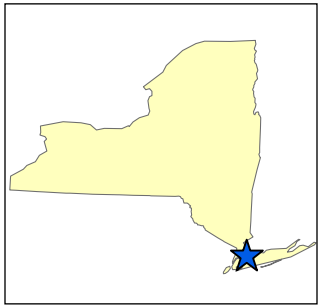
VICINITY MAP



- Site Location
- Monitoring Well Network
- Groundwater Elevation Contour
- Inferred Groundwater Elevation Contour
- Direction of Groundwater Flow

N

0 25 50
Feet

Note: Groundwater elevation is measured in feet (ft.) above mean sea level (AMSL).

Map Date: 6/18/2024
Source: NYS GIS Clearinghouse Orthoimagery, 2023
Projection: NAD 1983 State Plane New York East

Figure 3
Groundwater Elevations
March 2024
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

NEW YORK STATE Department of Environmental Conservation

Analyte	NYSDEC AWQS
Benzene	1
Cis-1,2-DCE	5
Ethylbenzene	5
Isopropylbenzene	5
O-Xylene	5
Tert-Butyl Methyl Ether	10
PCE	5
Toluene	5
Trans-1,2-DCE	5
TCE	5
Vinyl Chloride	2
Xylenes	5

MW-5R	
3/18/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	< 0.51 U
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	< 0.53 U
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-11	
3/20/2024	
Benzene	3.6
Cis-1,2-DCE	91
Ethylbenzene	13.7
Isopropylbenzene	6.2
O-Xylene	36.5
Tert-Butyl Methyl Ether	17.1
PCE	< 0.56 U
Toluene	6.3
Trans-1,2-DCE	1.9
TCE	< 0.53 U
Vinyl Chloride	47
Xylenes	67.2

MW-8	
3/18/2024	
Benzene	< 2.1 U
Cis-1,2-DCE	76.6
Ethylbenzene	69.1
Isopropylbenzene	39.2
O-Xylene	397
Tert-Butyl Methyl Ether	4.4 J
PCE	< 2.8 U
Toluene	29.6
Trans-1,2-DCE	< 2.7 U
TCE	< 2.6 U
Vinyl Chloride	11.4
Xylenes	932

MW-21D	
3/18/2024	
Benzene	< 8.5 U
Cis-1,2-DCE	4770
Ethylbenzene	< 12 U
Isopropylbenzene	< 13 U
O-Xylene	< 12 U
Tert-Butyl Methyl Ether	< 10 U
PCE	< 11 U
Toluene	< 9.8 U
Trans-1,2-DCE	178
TCE	< 11 U
Vinyl Chloride	235
Xylenes	< 12 U

MW-21S	
3/18/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	4.2
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	44
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	1.2
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-22RD	
3/18/2024	
Benzene	0.58
Cis-1,2-DCE	319
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	4.1
TCE	0.78 J
Vinyl Chloride	111
Xylenes	< 0.59 U

MW-22RS	
3/18/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	239
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	1.4
Toluene	< 0.49 U
Trans-1,2-DCE	8
TCE	0.66 J
Vinyl Chloride	128
Xylenes	< 0.59 U

MW-25RD	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	351
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	13.4
Toluene	< 0.49 U
Trans-1,2-DCE	3.4
TCE	11.1
Vinyl Chloride	44.1
Xylenes	< 0.59 U

MW-25RS	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	12
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	14
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	4.8
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-1D	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	161
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	0.77 J
PCE	17
Toluene	< 0.49 U
Trans-1,2-DCE	1.3
TCE	17.1
Vinyl Chloride	10.2
Xylenes	< 0.59 U

MW-7D	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	212
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	29.9
Toluene	< 0.49 U
Trans-1,2-DCE	1.7
TCE	50.8
Vinyl Chloride	1.1
Xylenes	< 0.59 U

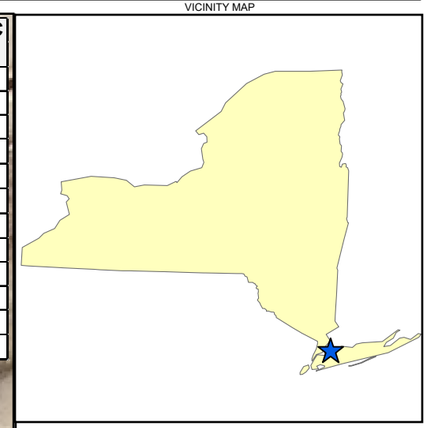
MW-7RS	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	345
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	174
Toluene	< 0.49 U
Trans-1,2-DCE	4.4
TCE	133
Vinyl Chloride	4.3
Xylenes	< 0.59 U

MW-1DD	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	67.4
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	12.8
Toluene	< 0.49 U
Trans-1,2-DCE	0.73 J
TCE	6.9
Vinyl Chloride	1
Xylenes	< 0.59 U

MW-30S	
3/20/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	160
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	0.93 J
TCE	< 0.53 U
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-30D	
3/19/2024	
Benzene	< 0.43 U
Cis-1,2-DCE	146
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
Tert-Butyl Methyl Ether	< 0.51 U
PCE	4.5
Toluene	< 0.49 U
Trans-1,2-DCE	0.94 J
TCE	3.7
Vinyl Chloride	8.8
Xylenes	< 0.59 U

VICINITY MAP



Site Location

Monitoring Well - Sampled

Monitoring Well - Not Found or Not Sampled

Injection Well

Horizontal Injection Gallery Headers

N

0 30 60

Feet

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1). Concentrations are recorded in micrograms per liter (µg/L).
AWQS = Ambient Water Quality Standards
DCE = Dichloroethylene/Dichloroethene
J = Concentration is estimated.
NYSDEC = New York State Department of Environmental Conservation
PCE = Tetrachloroethylene
TCE = Trichloroethylene
U = Analyte was not detected.
VOC(s) = Volatile organic compound(s)
Concentrations exceeding the screening level are shaded gray.

Map Date: 6/18/2024
Source: NYS GIS Clearinghouse Orthoimagery, 2023
Projection: NAD 1983 State Plane New York East

Figure 4
VOC Exceedances March 2024
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

NEW YORK STATE | Department of Environmental Conservation

EA®

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Analyte	NYSDEC AWQS[1]
PFOS	2.7
PFOA	6.7

MW-5R	
3/18/2024	
PFOS	59
PFOA	66.8

MW-11	
3/20/2024	
PFOS	776
PFOA	97.3

MW-8	
3/18/2024	
PFOS	1650
PFOA	84.6

MW-25RD	
3/19/2024	
PFOS	35.9
PFOA	9.1

MW-25RS	
3/19/2024	
PFOS	36.9
PFOA	10

MW-7D	
3/19/2024	
PFOS	73.4
PFOA	27.7

MW-7RS	
3/19/2024	
PFOS	50.7
PFOA	20.6

MW-21D	
3/18/2024	
PFOS	48.1
PFOA	19.7

MW-21S	
3/18/2024	
PFOS	43.9
PFOA	8

MW-30S	
3/20/2024	
PFOS	2.2
PFOA	4.4

MW-22RD	
3/18/2024	
PFOS	49.1
PFOA	13.2

MW-22RS	
3/18/2024	
PFOS	44.9
PFOA	20.3

MW-1D	
3/19/2024	
PFOS	91.2
PFOA	16.8

MW-1DD	
3/19/2024	
PFOS	90.1
PFOA	35.1

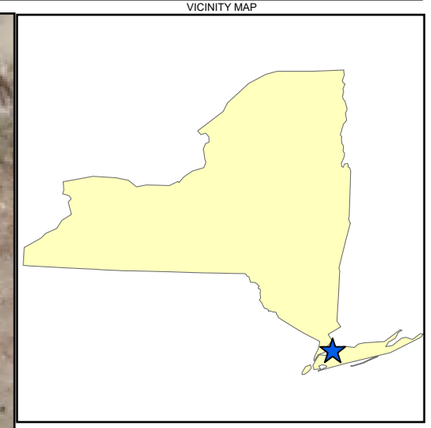
MW-30D	
3/19/2024	
PFOS	19.4
PFOA	8.5

MW-3 MW-4R MW-5R MW-2 MW-7D MW-7RS MW-8 MW-25RD MW-25RS MW-21D MW-21S MW-30D MW-30S MW-23S MW-23D MW-22RD MW-22RS MW-1D MW-1DD MW-1 MW-11

Access Road

Herb Hill Rd

VICINITY MAP



Legend

- Site Location
- Monitoring Well Network
- Monitoring Well- Sampled
- Monitoring Well- Not Found or Not Sampled

N

0 25 50
Feet

Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1). Concentrations are recorded in nanograms per liter (ng/L).
AWQS = Ambient Water Quality Standards
NYSDEC = New York State Department of Environmental Conservation
J = Concentration is estimated.
PFOA = Perfluorooctanoic acid
PFOS = Perfluorooctanesulfonic acid
Concentrations exceeding the screening level are shaded gray.

Map Date: 5/16/2024
Source: NYS GIS Clearinghouse Orthoimagery, 2023
Projection: NAD 1983 State Plane New York East

Figure 5
PFAS Exceedances March 2024
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

NEW YORK STATE Department of Environmental Conservation

EA

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Appendix A

Daily Field Reports

DAILY INSPECTION REPORT
(Crown Dykman), Site No. 130054

Date: 03/18/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Cody Badman

Site Location: Crown Dykman, Glen Cove, NY

Weather Conditions				
General Description	Sunny	AM	Cloudy	PM
Temperature	41	AM	50	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA X

Health & Safety Comments

H&S meeting held upon arrival to Site. Topics covered include vehicle traffic, contaminants of concern, PPE, slips, trips, and falls.

Summary of Work Performed	Arrived at site:	1045	Departed Site:	1730

(0800) EA onsite.
(0805) Tailgate health & safety meeting.
(0810) Calibrate PID and water quality meters.
(0835) Site walk to identify monitoring well locations.
(0918) Start purge at MW-5R.
(0939) Start purge at MW-8. Issue with water quality meter leaking, purge stopped at 09:45.
(0958) Restart purge at MW-8.
(1133) Collect sample at MW-5R for VOCs, 1,4-Dioxane, TAL Metals, and PFAS. Split sample with MS/MSD.
(1211) Collect sample at MW-8 for VOCs, 1,4-Dioxane, TAL Metals, and PFAS. Split sample with FD1.
(1241) Start purge at MW-21D.
(1330) Start purge at MW-22RD. Issues with turbidity and large particulates clogging tubing led to delay on start of purge.
(1450) Collect sample at MW-22RD for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1500) High turbidity in MW-21D, cut off purge and sample for everything except metals. Per SMP, metals need to be sampled filtered and unfiltered when turbidity is not below 50 NTU. EA did not have field filters today, so this well will be sampled for metals on 3/19/24 once filters have been purchased.
(1505) Collect sample at MW-21D for VOCs, 1,4-Dioxane, and PFAS.
(1530) Start purge at MW-21S.
(1558) Start purge at MW-22RS.
(1713) Collect sample at MW-22RS for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1732) Cut off purge at MW-21S due to high turbidity. Collect sample at MW-21S for VOCs, 1,4-Dioxane, and PFAS. This well will be sampled on 3/19/24 for filtered and unfiltered metals once filters have been purchased.
(1800) Transfer liquid IDW to drums located onsite.
(1805) Label and pack samples into coolers, fill out chain of custody.
(1815) Decontaminate equipment and pack into trucks.
(1830) EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Lincoln Backman-Lowe	EA	Scientist	10.5
Matthew Boyle	EA	Scientist	10.5

Equipment Description	Contractor/Vendor	Quantity	Used
Electronic Water Level Meter	Pine Environmental	2	Yes
Peristaltic Pump	Pine Environmental	2	Yes
Horiba U-52	Pine Environmental	2	Yes

PID	Pine Environmental	2	Yes
Ford F-150 Crewcab	EA	1	Yes
Ford Escape	EA	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
None.						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:
None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**

Site Representatives

Name	Representing
None.	

Project Schedule Comments

Each of the 6 monitoring wells that were sampled on 03/18/2024 exhibited high turbidity levels during the initial stages of purging. 3 of the 6 monitoring wells saw sustained turbidity well into the purge time (1.5-2 hrs of pumping). It is anticipated that other wells will exhibit high turbidity as sampling continues. EA recommends a full re-development of all onsite monitoring wells within the sampling network so that future sampling efforts may be more efficient with time.

Issues Pending

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

None.

Comments

None.

Site Inspector(s): Lincoln Backman-Lowe | **Date: 03/18/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
2. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
3. Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☒
4. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
5. If Yes to 1 or 2, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☒	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☒	No ☐	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Monitoring wells MW-8, MW-21D, MW-21S, MW-22RD, and MW-22RS all exhibited strong petroleum odors when opened and from the water purged during sampling activities.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments: None.			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT
(Crown Dykman), Site No. 130054

Date: 03/19/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Lincoln Backman-Lowe

Site Location: Crown Dykman, Glen Cove, NY

Weather Conditions

General Description	Sunny	AM	Cloudy	PM
Temperature	35	AM	48	PM
Wind	Calm	AM	Calm	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA X

Health & Safety Comments

H&S meeting held upon arrival to Site. Topics covered include vehicle traffic, contaminants of concern, PPE, slips, trips, and falls.

Summary of Work Performed	Arrived at site:	1045	Departed Site:	1730

(0840) EA onsite.
(0845) Tailgate health & safety meeting.
(0850) Calibrate PID and water quality meters.
(0905) Collect sample at MW-21S for dissolved and total TAL metals.
(0910) Collect sample at MW-21D for dissolved and total TAL metals.
(0945) Start purge at MW-25RD.
(1000) Start purge at MW-30S.
(1040) Collect sample at MW-25RD for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1055) MW-30S purged dry, EA will allow for the well to recharge and collect sample on 03/20/2024.
(1102) Start purge at MW-30D.
(1114) Start purge at MW-25RS.
(1138) Collect sample at MW-30D for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1224) Collect sample at MW-25RS for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1225) Start purge at MW-11.
(1236) MW-11 purged dry, EA will allow for the well to recharge and collect sample on 03/20/2024.
(1325) Start purge at MW-7S.
(1402) Start purge at MW-1D.
(1418) Collect sample at MW-7S for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1436) Start purge at MW-7D.
(1507) Collect sample at MW-1D for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1620) Start purge at MW-1DD.
(1638) Collect sample at MW-7D for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1745) Collect sample at MW-1DD for VOCs, 1,4-Dioxane, TAL Metals, and PFAS.
(1810) Pack equipment and coolers.
(1830) EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Lincoln Backman-Lowe	EA	Scientist	10.5
Matthew Boyle	EA	Scientist	10.5

Equipment Description	Contractor/Vendor	Quantity	Used
Electronic Water Level Meter	Pine Environmental	2	Yes
Peristaltic Pump	Pine Environmental	2	Yes
Horiba U-52	Pine Environmental	2	Yes

PID	Pine Environmental	2	Yes
Ford F-150 Crewcab	EA	1	Yes
Ford Escape	EA	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
None.						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:
None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**

Site Representatives

Name	Representing
None.	

Project Schedule Comments

EA anticipates that sampling will be completed on Wednesday, 03/20/2024.

Issues Pending

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

None.

Comments

None.

Site Inspector(s): Lincoln Backman-Lowe | **Date: 03/19/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
2. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
3. Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☒
4. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
5. If Yes to 1 or 2, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☒	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☒	No ☐	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Monitoring wells MW-8, MW-21D, MW-21S, MW-22RD, and MW-22RS all exhibited strong petroleum odors when opened and from the water purged during sampling activities.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments: None.			

* BART – Best Available Retrofit Technology

DAILY INSPECTION REPORT
(Crown Dykman), Site No. 130054

Date: 03/20/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Lincoln Backman-Lowe

Site Location: Crown Dykman, Glen Cove, NY

Weather Conditions				
General Description	Sunny	AM	--	PM
Temperature	49	AM	--	PM
Wind	Calm	AM	--	PM

Health & Safety
If any box below is checked "Yes", provide explanation under "Health & Safety Comments".

Were there any changes to the Health & Safety Plan?	*Yes	No X	NA
Were there any exceedances of the perimeter air monitoring reported on this date?	*Yes	No	NA X
Were there any nuisance issues reported/observed on this date?	*Yes	No	NA X

Health & Safety Comments

H&S meeting held upon arrival to Site. Topics covered include vehicle traffic, contaminants of concern, PPE, slips, trips, and falls.

Summary of Work Performed	Arrived at site:	1045	Departed Site:	1730

(0900) EA onsite.
(0905) Tailgate health & safety meeting.
(0910) Calibrate PID and water quality meters.
(0915) Begin synoptic gauging of monitoring network.
(0920) Collect sample at MW-11 for VOCs, 1,4-Dioxane, dissolved and total TAL metals, and PFAS.
(0930) Collect sample at MW-30S for VOCs, 1,4-Dioxane, dissolved and total TAL metals, and PFAS
(1000) Pack coolers to prepare for shipment to lab.
(12:30) EA offsite.

Equipment/Material Tracking
If any box below is checked "Yes", provide explanation under "Material Tracking Comments".

Were there any vehicles which did not display proper D.O.T numbers and placards?	*Yes	No	NA X
Were there any vehicles which were not tarped?	* Yes	No	NA X
Were there any vehicles which were not decontaminated prior to exiting the work site?	* Yes	No	NA X

Personnel and Equipment

Individual	Company	Trade	Total Hours
Lincoln Backman-Lowe	EA	Scientist	3.5
Matthew Boyle	EA	Scientist	3.5

Equipment Description	Contractor/Vendor	Quantity	Used
Electronic Water Level Meter	Pine Environmental	2	Yes
Peristaltic Pump	Pine Environmental	2	Yes
Horiba U-52	Pine Environmental	2	Yes
PID	Pine Environmental	2	Yes
Ford F-150 Crewcab	EA	1	Yes
Ford Escape	EA	1	Yes

Material Description	Imported/ Delivered to Site	Exported off Site	Waste Profile (If Applicable)	Source or Disposal Facility (If Applicable)	Daily Loads	Daily Weight (tons)*
None.						

*On-Site scale for off-site shipment, delivery ticket for material received

Equipment/Material Tracking Comments:
None.

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None.		**Yes**	**No**

Site Representatives

Name	Representing
None.	

Project Schedule Comments

None.

Issues Pending

None.

Interaction with Public, Property Owners, Media, etc.

None.

Include (insert) figures with markups showing location of work and job progress

Site Photographs (Descriptions Below)

None.

Comments

None.

Site Inspector(s): Lincoln Backman-Lowe	**Date: 03/20/2024**

Videos of discreet operations have been provided to the DEC Project Manager to facilitate understanding of the ongoing work? Yes ☐ No ☒ N/A ☐

REMEDIAL ACTIVITIES AT PROPERTIES

1. Does anyone at this location have any symptoms of a respiratory infection (e.g., cough, sore throat, fever, or shortness of breath)?	Yes ☐	No ☒
2. Have anyone at this location been tested and confirmed to have COVID-19?	Yes ☐	No ☒
3. Were personal protective gloves, masks, and eye protection being used?	Yes ☐	No ☒
4. Does the Department and its contractors have your permission to enter the property at this time?	Yes ☐	No ☐
5. If Yes to 1 or 2, follow the latest NYSDOH COVID-19 guidance: https://coronavirus.health.ny.gov/home	Yes ☐	No ☐
Comments:		

ON-SITE WASTE STORAGE

Drums, roll offs and piles are staged in secure areas?	Yes ☒	No ☐	N/A☒
Liners and berms have been installed if necessary to prevent cross contamination of clean areas?	Yes ☐	No ☐	N/A☒
Containers are in good condition or properly overpacked?	Yes ☒	No ☐	N/A☒
Waste materials are scheduled to be properly characterized and disposed of prior to demobilization?	Yes ☐	No ☒	N/A☒
Complying with RCRA 90 day storage limitation for hazardous waste?	Yes ☒	No ☐	N/A☐
Piles are securely covered when not in use?	Yes ☐	No ☐	N/A☒
Containers are closed when not in use?	Yes ☒	No ☐	N/A☐
Staging areas should be inspected periodically and any issues addressed immediately?	Yes ☒	No ☐	N/A☐
Signage and labeling comply with RCRA requirements for all staging areas and containers?	Yes ☒	No ☐	N/A☐
If any issues noted, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: None.			

NUISANCE CHECKLIST

Were there any community complaints related to work on this date?	Yes ☐	No ☒	N/A☐
Were there any odors detected on this date?	Yes ☒	No ☐	N/A☐
Was noise outside specification and/or above background on this date?	Yes ☐	No ☒	N/A☐
Were vibration readings outside specification and/or above background on this date?	Yes ☐	No ☐	N/A☒
Any visible dust observed beyond the work perimeter on this date?	Yes ☐	No ☐	N/A☒
Any visible contrast (turbidity) beyond engineering controls observed on this date?	Yes ☐	No ☐	N/A☒
Was turbidity checked at the outfall(s)?	AM ☐	PM ☐	N/A☒
Were any property owners NOT provided advance notice for work performed on this property on this date?	Yes ☐	No ☐	N/A☒

Was the temporary fabric structure closed at the end of the day?	Yes ☐	No ☐	N/A☒
Has Contractor failed to protect all foundations and structures adjacent to and adjoining the site which are affected by the excavations or other operations connected with performance of the Work?	Yes ☐	No ☐	N/A☒
If yes, has Contractor been notified?	Yes ☐	No ☐	N/A☒
Comments: Monitoring wells MW-8, MW-21D, MW-21S, MW-22RD, and MW-22RS all exhibited strong petroleum odors when opened and from the water purged during sampling activities.			

RESILIENCE/GREEN REMEDIATION CHECKLIST

Is site power procured from renewable energy sources (e.g., solar, wind, geothermal, biomass and biogas)?	Yes ☐	No ☐	N/A☒
Is the Contractor employing 2007 or newer or retrofitted (BART*) diesel on-road trucks and non-road equipment?	Yes ☐	No ☐	N/A☒
Is vehicle idling adequately reduced per 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Have equipment operators been trained in the idling requirements of 6NYCRR Part 217-3?	Yes ☐	No ☐	N/A☒
Is BART-equipped equipment properly maintained and working?	Yes ☐	No ☐	N/A☒
Is work being sequenced to avoid double handling?	Yes ☐	No ☐	N/A☒
Is there an onsite recycling program for CONTRACTOR-generated wastes and is it complied with?	Yes ☐	No ☐	N/A☒
Are office trailer heating and cooling systems maintained at efficient set points, have programable thermostats been installed?	Yes ☐	No ☐	N/A☒
Are products and materials used in performance of the work appropriately certified (e.g., LEED, Energy Star, Sustainable Forestry Initiative®, etc.)?	Yes ☐	No ☐	N/A☒
Are resiliency features included in the design, or completed remedy properly installed and/or maintained (flood control, storm water controls, erosion measures, etc.)?	Yes ☐	No ☐	N/A☒
Are green remediation elements included in the design, or completed remedy properly installed and/or maintained (e.g., porous pavement, geothermal, variable speed drives, native plantings, natural stream bank restoration, etc.)?	Yes ☐	No ☐	N/A☒
Has Contractor been notified of any deficiencies?	Yes ☐	No ☐	N/A☒
Are remote/call in job meetings being held in lieu of meeting in person where possible?	Yes ☐	No ☐	N/A☒
Comments: None.			

* BART – Best Available Retrofit Technology

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Appendix B

Field Equipment Calibration Forms

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION
DATE: 3/18/24
TIME: 0810
METER ID: 03780

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	7.0	3.99

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.11	4.57

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	39.7	0.0

COMMENTS

N/A

SIGNATURE

FIELD CALIBRATION FORM
Horiba U-52
pH, CONDUCTIVITY, AND TURBIDITY

CALIBRATION	
DATE:	3/18/24
TIME:	0802
METER ID:	FA03705

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	7.70	4.0

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.07	4.50

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	6.86	1.3

COMMENTS

SIGNATURE

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Appendix C

Groundwater Sampling Purge Forms

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-305	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: South side of lot	Well Condition: Good	Weather: 37°F, sunny
Sounding Method: Heron WLM	Gauge Date: 3/19/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.2	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 3/19/24	Purge Time: 0958
Purge Method: Low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 20.0'	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3'
B. Depth to Water (ft): 4.09'	E. Well Volume (gal) C*D): 2.59	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 15.91	F. Three Well Volumes (gal) (E3): 7.77	Pump Intake Depth: 15'

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
10:00	11.20	7.50	236	1.03	133	3.34	—	0.25	—
10:05	11.04	7.57	171	1.04	136	2.63	—	0.25	—
10:10	10.84	7.57	151	1.04	108	1.96	—	0.25	—
10:15	10.70	7.57	133	1.04	101	1.70	—	0.25	—
10:20	10.69	7.59	120	1.04	98	1.66	—	0.25	—
10:25	10.74	7.63	109	1.04	95.5	1.68	—	0.25	—
10:30	10.46	7.61	93	1.05	121	3.34	—	0.25	—
10:35	10.80	7.63	68	1.04	97.7	3.23	—	0.25	—
10:40	10.99	7.67	71	1.04	76.3	4.15	—	0.25	—
10:45	11.40	7.75	55	1.03	89.1	5.77	—	0.25	—
10:50	11.67	7.77	62	1.03	87.7	6.71	—	0.25	—
10:55	11.86	7.77	62	1.03	92.2	5.18	—	0.25	—
—	—	—	— WELL	—	DRY	—	—	—	—

Total Quantity of Water Removed (gal):	12.5	Sampling Time:	0930
Samplers:	LBL	Split Sample With:	—
Sampling Date:	~~3/19/24~~ 3/20/24	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-11	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: middle of lot	Well Condition: OK	Weather: 42°F, sunny
Sounding Method: Heron WLM	Gauge Date: ~~3/19/24~~ 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 1.0	Gauge Time: 0915	Well Diameter (in): 1"

Purge Date: 3/19/24	Purge Time: 12:25
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 9.5	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: 1.0'
B. Depth to Water (ft): 3.92	E. Well Volume (gal) C*D: 0.229	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 5.58	F. Three Well Volumes (gal) (E3): 0.678	Pump Intake Depth: ~~5'~~ 10' 5' From Bottom

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
12:29	12.08	7.29	-54	0.363	>1000	6.00	—	0.3	—
12:34	12.35	7.17	-36	0.375	>1000	4.18	—	0.3	—
12:39	—	—	—	WELL	DRY	—	—	0.3	—
12:44							—	0.3	—
12:49							—	0.3	—
12:54							—	0.3	—
12:59							—	0.3	—

Total Quantity of Water Removed (gal): 1 GAL
Samplers: LBL
Sampling Date: ~~3/19/24~~ 3/20/24
Sampling Time: 0920
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7D	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: south end of lot	Well Condition: OK	Weather: 45°F, sunny
Sounding Method: Heron WLM	Gauge Date: 3/19/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.4	Gauge Time:	Well Diameter (in): 2"

Purge Date: 3/19/24	Purge Time: 14:36
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 22.76	D. Well Volume (ft): 0.163 gal/ft	Depth/Height of Top of PVC: 0.4'
B. Depth to Water (ft): 8.39	E. Well Volume (gal) C*D: 2.34	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 14.37	F. Three Well Volumes (gal) (E3): 7.02	Pump Intake Depth: 18.76

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
14:38	13.71	6.79	107	0.747	169	1.47	—	0.3	—
14:43	13.69	6.79	105	0.746	112	0.62	—	0.3	—
14:48	13.65	6.79	82	0.749	93.4	0.49	—	0.3	—
14:53	13.58	6.79	72	0.749	88.6	0.47	—	0.3	—
14:58	13.76	6.80	56	0.751	75.1	0.47	—	0.3	—
15:03	13.78	6.80	47	0.753	103	0.40	—	0.3	—
15:08	13.88	6.81	35	0.755	184	0.34	—	0.3	—
15:13	13.97	6.83	26	0.758	237	0.38	—	0.3	—
15:18	13.97	6.83	22	0.757	221	0.33	—	0.3	—
15:23	13.99	6.83	20	0.757	204	0.29	—	0.3	—
15:28	13.92	6.84	17	0.757	184	0.27	—	0.3	—
15:33	13.93	6.84	16	0.757	217	0.26	—	0.3	—
15:38	13.86	6.84	15	0.757	240	0.25	—	0.3	—
15:43	13.78	6.84	12	0.758	158	0.26	—	0.3	—
15:48	13.83	6.84	10	0.758	120	0.27	—	0.3	—
15:53	13.72	6.85	8	0.760	82.6	0.24	—	0.3	—
15:58	13.68	6.85	8	0.760	71.3	0.24	—	0.3	—

Total Quantity of Water Removed (gal):	34.5 GAL	Sampling Time:	16:38
Samplers:	LBL	Split Sample With:	
Sampling Date:	3/19/24	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7D	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location:	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
16:03	13.66	6.85	6	0.762	52.4	0.23	—	0.3	—
16:08	13.63	6.85	5	0.763	47.2	0.23	—	0.3	—
16:13	13.60	6.85	5	0.763	54.0	0.23	—	0.3	—
16:18	13.60	6.85	4	0.763	50.6	0.22	—	0.3	—
16:23	13.58	6.85	4	0.762	50.0	0.22	—	0.3	—
16:28	13.58	6.85	4	0.765	47.2	0.23	—	0.3	—
16:33	13.49	6.86	3	0.765	39.2	0.20	—	0.3	—
16:38	13.46	6.86	1	0.769	37.3	0.22	—	0.3	—
↓									

Total Quantity of Water Removed (gal): _____ Sampling Time: 16:38
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

see pg. 1
see pg. 1

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-75	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: South end of lot	Well Condition: OK	Weather: 44°F, sunny
Sounding Method: Heron WLM	Gauge Date: 3/19/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.4	Gauge Time:	Well Diameter (in): 2"

Purge Date: 3/19/24	Purge Time: 13:25
Purge Method: Low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 19.26	D. Well Volume (ft): 0.163 gal/ft	Depth/Height of Top of PVC: 0.4'
B. Depth to Water (ft): 7.55	E. Well Volume (gal) C*D: 1.91	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 11.71	F. Three Well Volumes (gal) (E3): 5.73	Pump Intake Depth: 19.26

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
13:28	13.72	6.74	52	0.699	41.9	0.39	—	0.25	—
13:33	12.82	6.72	57	0.715	32.4	0.34	—	0.25	—
13:38	12.80	6.72	58	0.717	26.5	0.33	—	0.25	—
13:43	12.73	6.71	63	0.719	18.6	0.31	—	0.25	—
13:48	12.60	6.70	64	0.720	12.7	0.30	—	0.25	—
13:53	12.54	6.68	66	0.721	11.3	0.30	—	0.25	—
13:58	12.45	6.70	64	0.725	9.9	0.30	—	0.25	—
14:03	12.51	6.69	65	0.724	5.8	0.28	—	0.25	—
14:08	12.55	6.69	64	0.724	4.0	0.28	—	0.25	—
14:13	12.55	6.68	64	0.722	4.4	0.25	—	0.25	—
14:18	12.63	6.69	64	0.722	4.1	0.25	—	0.25	—

Total Quantity of Water Removed (gal):	11.25	Sampling Time:	14:18
Samplers:	LBL	Split Sample With:	
Sampling Date:	3/19/24	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21D	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: SW corner of lot	Well Condition: OK	Weather: 47° F, sunny
Sounding Method: Heron w/LM	Gauge Date: 3/18/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.2	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 3/18/24	Purge Time: 12:41
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 24.41	D. Well Volume (ft): 0.163 gal/ft	Depth/Height of Top of PVC: 0.21
B. Depth to Water (ft): 15.49	E. Well Volume (gal) C*D): 1.45	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 8.92	F. Three Well Volumes (gal) (E3): 4.35	Pump Intake Depth: 19.41

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
12:43	15.05	6.80	187	0.937	224	2.18	—	0.25	—
12:48	14.69	6.86	182	0.943	185	0.58	—	0.25	—
12:53	14.58	6.87	180	0.943	174	0.51	—	0.25	—
12:58	14.25	6.87	177	0.946	180	0.47	—	0.25	—
13:03	14.33	6.87	172	0.944	172	0.45	—	0.25	—
13:08	14.53	6.89	169	0.945	140	0.60	—	0.25	—
13:13	14.71	6.88	167	0.945	221	0.49	—	0.25	—
13:18	14.81	6.88	167	0.944	503	0.51	—	0.25	—
13:23	14.96	6.89	167	0.941	728	0.47	—	0.25	—
13:28	15.13	6.88	169	0.940	804	0.42	—	0.25	—
13:33	15.30	6.87	170	0.941	>1000	0.40	—	0.25	—
13:38	—	—	—	—	—	—	—	0.25	—
13:43	—	—	—	—	—	—	—	0.25	—
13:48	—	—	—	—	—	—	—	0.25	—
13:53	—	—	—	—	—	—	—	0.25	—
13:58	15.56	6.91	234	0.938	321	1.00	—	0.25	—
14:03	15.74	7.00	234	0.927	303	3.86	—	0.25	—

Total Quantity of Water Removed (gal): 23.75
Samplers: LBL
Sampling Date: 3/18/24
Sampling Time: 09:10 (3/19/24)
Split Sample With: —
Sample Type: GW

COMMENTS AND OBSERVATIONS: well not gauged prior to sampling will be gauged after to limit PFAS cross-contamination

pump stopped for 15 min, batteries died, restart purge @ 13:55

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21D	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location:	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
14:08	15.98	6.92	239	0.929	299	2.67	—	0.25	—
14:13	16.17	6.91	239	0.922	>1000	1.42	—	0.25	—
14:18	16.33	6.91	244	0.916	>1000	0.80	—	0.25	—
14:23	16.53	6.88	254	0.913	>1000	0.27	—	0.25	—
14:28	16.61	6.84	260	0.912	>1000	0.27	—	0.25	—
14:33	16.76	6.88	262	0.907	562	0.28	—	0.25	—
14:38	16.71	6.91	265	0.908	281	0.28	—	0.25	—
14:43	16.56	6.92	265	0.907	278	0.25	—	0.25	—
14:48	—	flush +	clean	Horiba	flow-	through	—	—	—
14:53									
14:58									

Total Quantity of Water Removed (gal):		Sampling Time:	
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	

COMMENTS AND OBSERVATIONS:

see pg. 1

see pg. 1

EA Engineering, P.C.
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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-215	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: SW corner of lot	Well Condition: OK	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 3/18/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.2	Gauge Time:	Well Diameter (in): 2

Purge Date: 3/18/24	Purge Time: 15:30
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 12.39	D. Well Volume (ft): 0.163 gal/ft	Depth/Height of Top of PVC: 0.2
B. Depth to Water (ft): 0.87	E. Well Volume (gal) C*D: 1.88	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 11.52	F. Three Well Volumes (gal) (E3): 5.64 ~~17.88~~	Pump Intake Depth: 10.39

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
15:32	14.44	~~6.~~ 7.18	266	0.938	>1000	5.27	—	0.25	—
15:37	12.95	6.95	280	0.976	367	5.31	—	0.25	—
15:42	12.75	6.88	284	0.977	188	5.08	—	0.25	—
15:47	12.63	6.81	288	0.977	160	4.98	—	0.25	—
15:52	12.69	6.87	291	0.981	165	4.57	—	0.25	—
15:57	12.70	6.80	291	0.978	165	4.47	—	0.25	—
16:02	12.72	6.81	290	0.978	182	4.22	—	0.25	—
16:07	12:64	6.83	291	0.978	212	4.05	—	0.25	—
16:12	12.67	6.89	292	0.979	238	3.60	—	0.25	—
16:17	12.60	6.89	293	0.979	179	3.29	—	0.25	—
16:22	12.59	6.88	293	0.980	174	3.14	—	0.25	—
16:27	12.56	6.81	294	0.979	176	3.15	—	0.25	—
16:32	12.56	6.87	296	0.978	145	2.86	—	0.25	—
16:37	12.55	6.87	300	0.978	148	2.89	—	0.25	—
16:42	12.55	6.87	299	0.978	157	2.90	—	0.25	—
16:47	12:55	6.87	299	0.978	164	2.96	—	0.25	—
16:52	12.46	6.86	300	0.978	157	2.92	—	0.25	—

Total Quantity of Water Removed (gal): 95 GAL
Samplers: LBL
Sampling Date: 3/18/24
Sampling Time: 09:05 (03/19/24)
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21S	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location:	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

see pg 1

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
16:57	12.46	6.87	300	0.979	152	3.06	—	0.25	—
17:02	12.42	6.86	300	0.977	129	3.05	—	0.25	—
17:07	12.41	6.86	301	0.977	118	3.05	—	0.25	—
17:12	12.44	6.85	302	0.977	111	2.93	—	0.25	—
17:17	12.48	6.85	302	0.979	117	2.57	—	0.25	—
17:22	12.43	6.85	302	0.979	107	2.61	—	0.25	—
17:27							—	0.25	—
17:32							—	0.25	—

Total Quantity of Water Removed (gal): _____ Sampling Time: _____
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

see pg 1

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-5R	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: NW corner of lot	Well Condition: Good	Weather: 45° F, sunny
Sounding Method: Solinst WLM	Gauge Date: 3/18/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 2.8	Gauge Time: 12:10	Well Diameter (in): 2

Purge Date: 03/18/24	Purge Time: 09:13
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 25.05	D. Well Volume (~~gal~~/ft) 0.163	Depth/Height of Top of PVC: 2.8'
B. Depth to Water (ft): 9.47	E. Well Volume (gal) C*D: 2.54	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 15.58	F. Three Well Volumes (gal) (E3): 7.62	Pump Intake Depth: 20.05

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
09:18	11.97	6.25	255	1.10	232	2.52	—	0.25	—
09:23	11.85	6.28	236	1.10	244	1.82	—	0.25	—
09:28	11.88	6.28	235	1.10	253	1.77	—	0.25	—
09:33	11.88	6.28	234	1.10	237	1.73	—	0.25	—
09:38	11.92	6.29	227	1.10	224	1.68	—	0.25	—
09:43	11.89	6.29	222	1.10	198	1.56	—	0.25	—
09:48	11.88	6.29	216	1.10	191	1.42	—	0.25	—
09:53	11.99	6.29	203	1.10	160	1.37	—	0.25	—
09:58	12.00	6.29	194	1.10	153	1.19	—	0.25	—
10:03	12.04	6.30	192	1.10	138	1.10	—	0.25	—
10:08	11.99	6.30	189	1.10	122	1.02	—	0.25	—
10:13	11.89	6.31	185	1.11	102	0.91	—	0.25	—
10:18	12.11	6.27	187	1.10	96.2	0.81	—	0.25	—
10:23	12.22	6.27	188	1.10	90.0	0.83	—	0.25	—
10:28	12.28	6.28	190	1.10	83.9	0.92	—	0.25	—
10:33	11.84	6.29	184	1.10	124	0.86	—	0.25	—
10:38	12.03	6.30	178	1.10	108	0.83	—	0.25	—

Total Quantity of Water Removed (gal):	35L	Sampling Time:	11:33
Samplers:	LBL	Split Sample With:	MS/MSD
Sampling Date:	03/22/24	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: well not gauged prior to sampling, will be gauged after to limit PFAS cross-contamination

EA Engineering, P.C.
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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-5R	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location:	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

see pg. 1

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
10:43	12.05	6.30	178	1.10	98.9	0.74	—	0.25	—
10:48	12.00	6.30	177	1.10	87.8	0.74	—	0.25	—
10:53	12.02	6.29	175	1.10	74.6	0.73	—	0.25	—
10:58	11.96	6.31	173	1.10	68.9	0.68	—	0.25	—
11:03	12.06	6.30	168	1.10	61.7	0.64	—	0.25	—
11:08	12.11	6.30	167	1.10	58.3	0.62	—	0.25	—
11:13	12.12	6.29	165	1.10	51.0	0.58	—	0.25	—
11:18	12.31	6.30	160	1.10	42.1	0.56	—	0.25	—
11:23	12.18	6.31	158	1.10	36.4	0.53	—	0.25	—
11:28	12.07	6.31	158	1.10	36.8	0.55	—	0.25	—
11:33	12.16	6.31	157	1.09	35.6	0.53	—	0.25	—
11:38							—	0.25	—

see pg. 1

Total Quantity of Water Removed (gal): _____ Sampling Time: _____
Samplers: _____ Split Sample With: _____
Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-301	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: south end of lot	Well Condition: Good	Weather: 39° F, sunny
Sounding Method: Heron WLM	Gauge Date: 3/19/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time:	Well Diameter (in): 2

Purge Date: 3/19/24	Purge Time: 11:02
Purge Method: low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 29.86	D. Well Volume (ft): 0.163 gal/ft	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 7.03	E. Well Volume (gal) C*D): 3.72	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 22.83	F. Three Well Volumes (gal) (E3): 11.16	Pump Intake Depth: 24.86

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
11:03	11.86	7.58	16	0.890	30.6	1.71	—	0.3	—
11:08	12.17	7.54	12	0.890	17.9	1.41	—	0.3	—
11:13	12.52	7.52	3	0.885	4.2	1.18	—	0.3	—
11:18	12.71	7.49	2	0.881	6.9	0.81	—	0.3	—
11:23	12.87	7.47	1	0.877	3.1	0.58	—	0.3	—
11:28	12.94	7.41	-1	0.873	2.0	0.47	—	0.3	—
11:33	13.02	7.40	-2	0.870	2.1	0.51	—	0.3	—
11:38	13.06	7.40	-2	0.869	1.9	0.48	—	0.3	—

Total Quantity of Water Removed (gal):	9 L	Sampling Time:	11:38
Samplers:	LBL	Split Sample With:	
Sampling Date:	3/19/24	Sample Type:	GW26

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-1DD	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: In Between Wall & Fence	Well Condition: Good	Weather: 40's, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/19/2024	Purge Time: 1620
Purge Method: Perristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 32.71'	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 3.23'	E. Well Volume (gal) C*D: 4.81	Pump Type: Perristaltic
C. Liquid Depth (ft) (A-B): 29.48	F. Three Well Volumes (gal) (E3): 14.4	Pump Intake Depth: 5' From Bottom

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1620	15.99	6.60	70	0.644	71000	4.11	—	0.25	0.0
1625	15.47	6.64	27	0.647	774	1.60	—	0.25	1.25
1630	15.03	6.65	5	0.641	525	1.33	—	0.25	2.50
1635	14.70	6.63	1	0.639	457	1.31	—	0.25	3.75
1640	14.34	6.63	0	0.639	291	1.24	—	0.25	5.0
1645	14.07	6.61	-2	0.641	296	1.22	—	0.75	6.25
1650	NM	—	—	—	—	—	—	—	—
1700	12.73	6.60	-1	0.652	159	1.79	—	0.25	7.50
1705	12.46	6.52	-3	0.675	106	1.16	—	0.25	8.75
1710	12.30	6.42	-1	0.674	79.3	1.01	—	0.25	10.0
1715	12.26	6.39	-1	0.675	75.0	1.00	—	0.25	11.25
1720	12.11	6.31	-1	0.683	59.5	1.08	—	0.25	12.50
1725	12.02	6.29	-2	0.687	56.7	1.31	—	0.25	13.75
1730	11.86	6.25	-2	0.696	45.0	1.32	—	0.25	15.0
1735	11.79	6.24	-2	0.692	43.6	1.40	—	0.25	16.25
1740	11.82	6.23	-2	0.688	42.9	1.33	—	0.25	17.50
1745	11.78	6.23	-3	0.689	43.0	1.38	—	0.25	18.75

Total Quantity of Water Removed (gal): 18.75
Samplers: M. Boyle
Sampling Date: 03/19/2024
Sampling Time: 1745
Split Sample With:
Sample Type: Grab

COMMENTS AND OBSERVATIONS:
Purge @ 1700
Perri Battery Died @ 1650, Resume

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2D	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: SW Corner outside Fence	Well Condition: Good	Weather: 40's, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03 / 19 / 2024	Purge Time: 1402
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 25.51	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 2.50'	E. Well Volume (gal) C*D: 3.75	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 23.0	F. Three Well Volumes (gal) (E3): 11.25	Pump Intake Depth: 5' From Bottom

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1402	12.41	6.48	-17	0.784	~~1000~~	1.37	–	0.25	0.0
~~1407~~ 1407	~~12.07~~ 12.11	6.43	-14	0.784	71000	1.24	–	0.25	1.25
1412	12.27	6.37	-17	0.781	385	1.11	–	0.25	2.50
~~1417~~ 1417	~~12.07~~ 12.38	6.36	-18	0.779	153	1.18	–	0.25	3.75
1422	12.71	6.37	-20	0.779	61.6	1.03	–	0.25	5.0
~~1427~~ 1427	~~12.07~~ 12.96	6.36	-20	0.771	65.6	1.00	–	0.25	6.25
1432	13.25	6.35	-19	0.765	70.1	0.93	–	0.25	7.50
~~1437~~ 1437	~~13.35~~ 13.35	6.34	-18	0.767	65.7	0.84	–	0.25	8.75
1442	13.59	6.34	-19	0.766	50.2	0.88	–	0.25	10.0
~~1447~~ 1447	~~13.80~~ 13.80	6.33	-18	0.764	49.3	1.22	–	0.25	11.25
1452	13.96	6.33	-17	0.752	48.2	0.85	–	0.25	12.50
1457	13.93	6.32	-19	0.757	47.9	0.83	–	0.25	13.75
1502	13.94	6.31	-17	0.759	48.5	0.85	–	0.25	15.0
1507	13.98	6.31	-18	0.761	47.4	0.84	–	0.25	16.25

Total Quantity of Water Removed (gal): 16.25 Gal L
Samplers: M. Boyle
Sampling Date: 03 / 19 / 2024
Sampling Time: 1507
Split Sample With:
Sample Type: Gras

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-25R5	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 40's, Sunny
Sounding Method: Heron well	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/19/2024	Purge Time: ~~0914~~ 1114
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 16.41'	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 3.17'	E. Well Volume (gal) C*D: 2.16	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 13.24	F. Three Well Volumes (gal) (E3): 6.47	Pump Intake Depth: 11.41

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1114 ~~0914~~	10.32	6.44	+69	0.824	506	1.66	—	0.25	0
1119 ~~0919~~	10.24	6.41	+74	0.830	551	1.63	—	0.25	1.25
1124 ~~0924~~	10.21	6.37	+78	0.827	493	1.65	—	0.25	2.50
1129 ~~0929~~	10.25	6.31	+89	0.840	381	1.51	—	0.25	3.75
1134	10.26	6.29	+84	0.866	195	1.95	—	0.25	5.0
1139	10.30	6.27	+78	0.875	150	9.36	—	0.25	6.25
1144	10.33	6.27	+75	0.876	137	8.54	—	0.25	7.50
1149	10.31	6.26	+72	0.875	107	16.07	—	0.25	8.75
1154	10.38	6.25	+69	0.870	68.5	21.87	—	0.25	10.0
1159	10.39	6.24	+69	0.860	68.2	20.89	—	0.25	11.25
1204	10.41	6.23	70	0.864	46.8	19.24		0.25	12.50
1209	10.42	6.23	70	0.865	45.4	18.85		0.25	13.75
1214	10.53	6.22	71	0.861	40.2	18.61		0.25	15.0
1219	10.52	6.22	71	0.866	38.6	18.72		0.25	16.25
1224	10.51	6.21	71	0.861	38.1	18.69		0.25	17.50

Total Quantity of Water Removed (gal):	17.50	Sampling Time:	1124
Samplers:	M. Boyle	Split Sample With:	—
Sampling Date:	03/19/2024	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: 25 RD	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 40's, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/19/2024	Purge Time: 0945
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 26.40'	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 5.88'	E. Well Volume (gal) C*D): 3.34	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 20.52	F. Three Well Volumes (gal) (E3): 10.03	Pump Intake Depth: 22.5'

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters) Gals
0945	6.51	6.70	8	0.913	170	26.10	—	0.25	0.0
0950	7.66	6.61	-12	0.911	123	6.90	—	0.25	1.25
0955	7.85	6.56	-20	0.912	186	6.50	—	0.25	2.50
1000	8.61	6.54	-30	0.907	27.5	2.89	—	0.25	3.75
1005	9.02	6.53	-32	0.901	18.3	2.50	—	0.25	5.0
1010	9.29	6.52	-33	0.900	16.4	2.29	—	0.25	6.25
1015	9.42	6.51	-34	0.895	13.1	1.94	—	0.25	7.50
1020	9.63	6.49	-36	0.889	14.9	1.76	—	0.25	8.75
1025	9.89	6.49	-38	0.888	15.2	1.66	—	0.25	10.0
1030	10.23	6.49	-37	0.883	15.6	1.61	—	0.25	11.25
1035	10.31	6.49	-37	0.880	15.7	1.58	—	0.25	12.50
1040	10.40	6.49	-37	0.872	14.9	1.64	—	0.25	13.75

Total Quantity of Water Removed (gal):	13.75	Sampling Time:	1040
Samplers:	M. Boyle	Split Sample With:	—
Sampling Date:	03/19/2024	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-22RS	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 50's, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/18/2024	Purge Time: 1558
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 21.32	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 7.95	E. Well Volume (gal) C*D): 2.18	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 13.37	F. Three Well Volumes (gal) (E3): 6.54	Pump Intake Depth: 16.32

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1558	16.66	6.34	-35	0.900	657	2.57	-	0.25	0
1603	16.37	6.36	-36	0.899	655	3.46	-	0.25	1.25
1608	15.39	6.37	-32	0.878	414	17.90	-	0.25	2.50
1613	14.74	6.39	-28	0.878	233	18.82	-	0.25	3.75
1618	14.69	6.38	-27	0.879	203	18.71	-	0.25	5.0
1623	14.58	6.38	-25	0.882	168	18.65	-	0.25	6.25
1628	14.40	6.37	-24	0.887	119	18.36	-	0.25	7.50
1633	14.26	6.38	-24	0.882	114	18.15	-	0.25	8.75
1638	14.10	6.37	-23	0.880	98.2	17.88	-	0.25	10.0
1643	13.94	6.37	-21	0.877	80.2	17.59	-	0.25	11.25
1648	13.78	6.37	-20	0.878	69.7	17.43	-	0.25	12.50
1653	13.605	6.37	-19	0.878	55.6	17.13	-	0.25	13.76
1658	13.47	6.37	-18	0.851	43.1	16.28	-	0.25	15.0
1703	13.37	6.37	-18	0.847	39.4	15.98	-	0.25	16.25
1708	13.36	6.37	-17	0.845	41.9	15.58	-	0.25	17.50
1713	13.34	6.37	-16	0.844	38.9	15.47	-	0.25	18.75

Total Quantity of Water Removed (gal):	18.75	Sampling Time:	1715
Samplers:	M. Boyle	Split Sample With:	-
Sampling Date:	03/18/2024	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology PAGE 1/1

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-22BD	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 50°F, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/2024	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/18/2024	Purge Time: 1330
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 30.90'	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 3.69'	E. Well Volume (gal) C*D: 4.35	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 26.71	F. Three Well Volumes (gal) (E3): 13.1	Pump Intake Depth: 25'

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1330	15.16	6.49	-56	0.758	352	17.91	-	0.25	BOTD
1335	14.99	6.33	-48	0.788	327	4.10	-	0.25	1.25
1340	14.95	6.29	-52	0.803	331	2.98	-	0.25	2.50
1345	14.81	6.27	-54	0.808	276	2.36	-	0.25	3.75
1350	14.88	6.25	-56	0.811	239	3.21	-	0.25	5.0
1355	14.61	6.24	-60	0.812	165	20.06	-	0.25	6.25
1400	14.83	6.23	-60	0.813	115	5.32	-	0.25	7.50
1405	14.92	6.22	-62	0.815	133	2.65	-	0.25	8.75
1410	15.10	6.21	-63	0.816	83.6	21.81	-	0.25	10.0
1415	15.18	6.21	-63	0.816	66.5	21.68	-	0.25	11.25
1420	15.38	6.21	-63	0.812	81.9	21.67	-	0.25	12.50
1425	15.60	6.19	-65	0.809	36.7	20.77	-	0.25	13.75
1430	15.23	6.18	-67	0.815	54.2	20.28	-	0.25	15.0
1435	15.22	6.18	-68	0.812	53.6	19.20	-	0.25	16.25
1440	15.69	6.17	-70	0.809	48.3	18.91	-	0.25	17.50
1445	15.42	6.17	-72	0.810	47.6	18.69	-	0.25	18.75
1450	15.80	6.17	-73	0.810	48.2	18.81	-	0.25	20.0

Total Quantity of Water Removed (gal):	20.0	Sampling Time:	1450
Samplers:	M. Boyle	Split Sample With:	—
Sampling Date:	03/18/2024	Sample Type:	Grab

COMMENTS AND OBSERVATIONS: Needs to be redeveloped

EA Engineering, P.C.
EA Science and Technology

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-8	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 45°F, Sunny
Sounding Method: Heron WLM	Gauge Date: 3/20/24	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft): 0.3	Gauge Time: 0915	Well Diameter (in): 2"

Purge Date: 03/18/24	Purge Time: 0939
Purge Method: Peristaltic	Field Technician: M. Boyle

Well Volume

A. Well Depth (ft): 15.0	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.3
B. Depth to Water (ft): 5.40	E. Well Volume (gal) C*D: 1.56	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 9.6	F. Three Well Volumes (gal) (E3): 4.69	Pump Intake Depth: 9.0 Ft

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1001	11.22	6.22	-93	0.930	496	1.45	–	0.25	1.25
1006	11.44	6.21	-101	0.975	401	1.23	–	0.25	2.50
1011	11.56	6.21	-104	0.974	335	1.08	–	0.25	3.75
1016	11.66	6.21	-107	0.971	306	1.13	–	0.25	5.0
1021	11.96	6.22	-114	0.974	203	1.15	–	0.25	6.25
1026	12.20	6.22	-117	0.973	159	1.13	–	0.25	7.50
1031	12.41	6.22	-119	0.972	131	1.10	–	0.25	8.75
1036	12.63	6.23	-121	0.971	119	1.05	–	0.25	10.0
1041	12.91	6.23	-123	0.970	104	1.01	–	0.25	11.25
1046	13.16	6.24	-124	0.967	99.2	0.98	–	0.25	12.50
1051	13.24	6.24	-126	0.967	100	0.97	–	0.25	13.75
1056	13.28	6.24	-127	0.964	97.6	0.95	–	0.25	15.0
1101	13.30	6.24	-128	0.971	82.7	0.93	–	0.25	16.25
1106	13.21	6.24	-128	0.973	93.6	0.92	–	0.25	17.50
1111	13.35	6.24	-127	0.969	74.2	0.93	–	0.25	18.75
1116	13.16	6.24	-126	0.966	87.2	0.98	–	0.25	20.0
1121	13.19	6.24	-127	0.968	88.6	0.92	–	0.25	21.25

Total Quantity of Water Removed (gal):	33.75	Sampling Time:	1211
Samplers:	M. Boyle	Split Sample With:	FD-01
Sampling Date:	03/18/2024	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:
- Issues w/ Horiba, Continuous Purge start @ 1000 - Sheen & Gasoline-like Odor

EA Engineering, P.C.
EA Science and Technology

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NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-8	EA Personnel: L. Backman-Lowe, M. Boyle	Client: NYSDEC
Location:	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref: Top of Casing (TOC)
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date:	Purge Time:
Purge Method:	Field Technician:

Well Volume

A. Well Depth (ft):	D. Well Volume (ft):	Depth/Height of Top of PVC:
B. Depth to Water (ft):	E. Well Volume (gal) C*D):	Pump Type:
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1126	13.15	6.24	-127	0.989	90.9	0.93	~	0.25	22.50
1131	13.61	6.23	-129	0.985	59.6	0.88	~	0.25	23.75
1136	13.58	6.23	-130	0.989	54.2	0.92	~	0.25	25.0
1141	13.49	6.23	-130	0.990	57.1	0.89	~	0.25	26.25
1146	13.78	6.23	-131	0.994	54.4	0.87	~	0.25	27.50
1151	13.80	6.23	-131	0.995	51.6	0.88	~	0.25	28.75
1156	13.80	6.23	-131	0.997	50.2	0.87	~	0.25	30.0
1201	13.85	6.23	-130	0.993	49.3	0.85	~	0.25	31.25
1206	13.87	6.22	-131	0.992	48.8	0.89	~	0.25	32.50
1211	13.84	6.22	-131	0.994	49.1	0.90	~	0.25	33.75

Total Quantity of Water Removed (gal): _____ Sampling Time: _____

Samplers: _____ Split Sample With: _____

Sampling Date: _____ Sample Type: _____

COMMENTS AND OBSERVATIONS: _____

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Appendix D

Chain-of-Custody

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job #

Client / Reporting Information

Company Name: EA Engineering
Street Address: 269 W. Jefferson St.
City: Syracuse State: NY Zip: 13202
Project Contact: Grant Reeder E-mail: greeder@eaest.com
Phone #: (603) 559-6124
Sampler(s) Name(s): L. Backman - Lowe Phone #: 716-364-7281

Project Information

Project Name: SMP-D - Cronin Dubman
Street: 66 New Hill Rd.
City: Glen Cove State: NY
Project #: 16025341 0009
Client Purchase Order #:
Project Manager: Josh Oliver

Billing Information (if different from Report to)

Company Name: EA Engineering
Street Address: 25 Western Ave
City: Marlboro State: NY Zip: 12542
Attention: Northeast Accts. Payable

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL- Sludge; SED-Sediment; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe; FB - Field Blank; EB-Equipment Blank; RB - Rinse Blank; TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	8260TCL20+	6010TCL20+	ABLV827-TOTCL20+	MTAL (Total)	MTAL (Dissolved)	LAB USE ONLY
	MW-5R-03182024		3/18/24	11:33	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-5R-03182024-MS		3/18/24	11:33	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-5R-03182024-MSD		3/18/24	11:33	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-8-03182024		3/18/24	12:11	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-22RD-03182024		3/18/24	14:50	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-21D-03182024		3/18/24	15:05	LBL	G	N	GW	8	3				5				X	X	X			
	MW-22RS-03182024		3/18/24	17:13	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-21S-03182024		3/18/24	17:32	LBL	G	N	GW	8	3				5				X	X	X			
	MW-21S-03192024		3/19/24	09:05	LBL	G	N	GW	2			2									X	X	
	MW-21D-03192024		3/19/24	09:10	LBL	G	N	GW	2			2									X	X	
	MW-25RD-03192024		3/19/24	10:40	LBL	G	N	GW	9	3		1		5				X	X	X	X		
	MW-25RS-03192024		3/19/24	12:24	LBL	G	N	GW	9	3		1		5				X	X	X	X		

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage
* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [X] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [X] EDD Format NYSDEC

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	LBL EA Engineering	3/20/24 1330	1
2	Relinquished By:	Date / Time:	Received By: 2
3	Relinquished by:	Date / Time:	Received By: 3
4	Relinquished By:	Date / Time:	Received By: 4
5	Relinquished by:	Date / Time:	Received By: 5

Custody Seal # | [ ] Intact [ ] Not Intact [ ] Absent | Therm ID: | On Ice [ ] | Cooler Temp. °C | See Sample Receipt Summary [ ]

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job #

Client / Reporting Information

Company Name: EA Engineering
Street Address: 269 W. Jefferson St.
City: Syracuse State: NY Zip: 13202
Project Contact: Grant Reeder E-mail: greeder@eaest.com
Phone #: (603) 456 - 6124
Sampler(s) Name(s): Lincoln Bachman-Lowe Phone #: 716-364-7282

Project Information

Project Name: SMP-D - Crown Dykman
Street: 66 Herb Hill Rd.
City: Glen Cove State: NY
Project #: 160253410009
Client Purchase Order #
Project Manager: Josh Oliver

Billing Information (if different from Report to)

Company Name: EA Engineering
Street Address: 25 Western Ave
City: Marlboro State: NY Zip: 12542
Attention: Northeast Accts. Payable

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED - Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB - Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
	MW-7S-03192024		3/19/24	14:18	LBL	G	N	GW	9	3		1		5				X	
	MW-1D-03192024		3/19/24	15:07	LBL	G	N	GW	9	3		1		5				X	
	MW-7D-03192024		3/19/24	15:38	LBL	G	N	GW	9	3		1		5				X	
	MW-1DD-03192024		3/19/24	17:45	LBL	G	N	GW	9	3		1		5				X	
	MW-11-03202024		3/20/24	09:20	LBL	G	N	GW	10	3		2		5				X	
	MW-30S-03202024		3/20/24	09:30	LBL	G	N	GW	10	3		2		5				X	
	MW8-FD1-03182024		3/18/24	12:11	LBL	G	N	GW	10	3		2		5				X	
	FB1-03182024		3/18/24	19:00	LBL	G	N	GW	3					3				X	
	[illegible]		[illegible]																
	FB2-03192024		3/19/24	19:00	LBL	G	N	GW	3					3				X	
	[illegible]		[illegible]																
	[illegible]		[illegible]																

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [X] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [X] EDD Format NYSDEC

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:
1	LBL / EA Engineering	3/20/24 1430	1
2	Relinquished By:	Date / Time:	Received By: 2
3	Relinquished by:	Date / Time:	Received By: 3
4	Relinquished By:	Date / Time:	Received By: 4
5	Relinquished by:	Date / Time:	Received By: 5

Custody Seal # | [ ] Intact [ ] Not intact [ ] Absent | Therm ID: | On Ice [ ] See Sample Receipt Summary | Cooler Temp. °C

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200
www.sgs.com/ehsusa

FED-EX Tracking # | Bottle Order Control #
SGS Quote # | SGS Job #

Client / Reporting Information

Company Name: EA Engineering
Street Address: 269 W. Jefferson St.
City: Syracuse State: NY Zip: 13202
Project Contact: Grant Reeder E-mail: greeder@eaest.com
Phone #: (603) 856-6124
Sampler(s) Name(s): L. Barkman-Lowe Phone #: 716-364-7782

Project Information

Project Name: SMP-D - Crown Dykman
Street: 60 Hab Hill Rd
City: Glen Cove State: NY
Project #: 16025341 10009
Client Purchase Order #:
Project Manager: Josh Oliver

Billing Information (if different from Report to)

Company Name: EA Engineering
Street Address: 25 Western Ave
City: Marlboro State: NY Zip: 12542
Attention: Northeast Accts. Payable

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB - Field Blank
EB-Equipment Blank
RB - Rinse Blank
TB - Trip Blank

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	Number of Bottles # of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)	LAB USE ONLY
	FB3 - 032024		3/20/24	09:00	LBL	G	N	WW											
	TB1 - 032024W		3/20/24	09:10	LBL	G	N	WW											

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

- [X] 10 Business Days
- [ ] 5 Business Days
- [ ] 3 Business Days*
- [ ] 2 Business Days*
- [ ] 1 Business Day*
- [ ] Other

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [X] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [X] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [X] EDD Format NYSDEC

Commercial "A" = Results only; Commercial "B" = Results + QC Summary
Commercial "C" = Results + QC Summary + Partial Raw data

Comments / Special Instructions

http://www.sgs.com/en/terms-and-conditions

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	[illegible] EA Engineering	3/20/24 1240	1	2		2
3			3	4		4
5			5			

Custody Seal # | [ ] Intact [ ] Not Intact [ ] Absent | Therm ID: | On Ice | Cooler Temp. °C | See Sample Receipt Summary