Groundwater Monitoring Report
(December 2023 Event)
Crown Dykman (130054)
Glen Cove, New York

Prepared for

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

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6 September 2024

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LIST OF ACRONYMS AND ABBREVIATIONS

µg/L	Microgram(s) per liter
AWQS	Ambient water quality standards and guidance values
DCE	Dichloroethene
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EPA	U.S. Environmental Protection Agency
ISCO	In situ chemical oxidation
ng/L	Nanogram(s) per liter
No.	Number
NYSDEC	New York State Department of Environmental Conservation
PCE	Tetrachloroethene
P.E.	Professional Engineer
PFAS	Per- and polyfluoroalkyl substances
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
P.G.	Professional Geologist
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**). Site management tasks are being conducted under the NYSDEC Division of Environmental Remediation Contract Work Assignment No. D009806-34. This Groundwater Monitoring Report documents the April and December 2023 site inspections and December 2023 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 an approximately 1-acre parcel approximately 175 by 250 feet in area and 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 in 2021 (Arcadis of New York, Inc. 2023). Currently, the site is being monitored for VOCs on a quarterly basis, and PFAS on an annual basis.

1.2 OBJECTIVES

Monitoring well inspections were conducted in April and December 2023 to evaluate the existing well network. Groundwater sampling was conducted in December 2023 to characterize the current groundwater plume and to evaluate whether emerging contaminants (per- and polyfluoroalkyl substances [PFAS] and 1,4-dioxiane) have impacted the site groundwater.

This data report summarizes the results of site inspection and groundwater sampling field activities conducted in April and December 2023. Subsequent groundwater sampling was conducted in March 2024, the results from which will be submitted under separate cover. 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 April and December 2023 inspection activities and December 2023 groundwater sampling activities is provided in Section 2. December 2023 analytical results are presented in Section 3. Conclusions and recommendations are discussed in Section 4.

The following are also provided as appendices:

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

2. FIELD ACTIVITIES

2.1 SITE INSPECTION

An initial site inspection was conducted on 3 April 2023. EA was met by NYSDEC on-site to brief EA on site demolition, excavation, and restoration work. EA was informed that several monitoring wells had been destroyed by the excavation work, and that 21 wells remained on-site. A full list of site monitoring and injection wells, including those that were decommissioned during site excavation and building demolition are included in **Table 1**. EA personnel located on-site wells with the following observations:

- MW-21S/21D flush mount covers are broken and the well pads needed replacement.
- MW-8 bolt eyelets (small diameter bolts) were stripped and needed to be re-threaded.
- MW-3 could not be located. The area has been covered by gravel, and underlying reinforced concrete eliminated the ability to locate the well using a metal detector.
- MW-1/1D/1DD and MW-23S/23D could not be located.
- MW-5R a stickup well was in acceptable condition, but the protective casing appears to have been hit by a car.
- MW-7D well pad was in good condition, but the annular space was flooded.
- Monitoring wells located within the excavation area appear to have been destroyed and/or abandoned, including MW-25S/D, MW-10S/D, MW-18, MW-20, MW-17R, MW-6R, MW-27, MW-28, MW-13, MW-26, MW-29, MW-16R, MW-19, MW-14R, MW-15R, MW-8, and MW-11[1].
- Injection wells IS-1 through IS-12 and two injection wells labeled “injection gallery” (connected by lateral injection piping) were located on-site and pads were in good condition. IS-7 was flooded when located.

A second site inspection was conducted on 4-5 December 2023. A total of 17 wells were located and inspected, including MW-1, MW-1D, MW-2, MW-4R, 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. Four wells were not located and therefore could not be inspected (MW-3, MW-1DD, MW-23S, and MW-23D). The following observations were noted in well assessment checklists provided in **Appendix A**:

- MW-21S/21D filled with water due to broken flush mount covers.
- MW-22RD well casing cracked/broken.
- MW-1DD, MW-23S/23D, and MW-3 could not be located.

[1] MW-11 was located during the subsequent December 2023 event.

- MW-1 and MW-1D were located under mulch at the southern end of the site.
- IS-7, MW-4R, MW-7D, MW-22RS, and MW-30S/30D had water in casing.

Well repair recommendations are summarized in **Table 1**. EA is currently in the process of procuring a subcontractor to complete well repairs at the Crown Dykman site in addition to other NYSDEC Region 1 environmental sites.

2.2 GROUNDWATER MONITORING

Groundwater sampling was conducted on 4-5 December 2023, with samples collected from 17 wells (MW-1, MW-1D, MW-2, MW-4R, 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). Four wells (MW-3, MW-1DD, MW-23S, and MW-23D) were not located and therefore could not be sampled. MW-11 and MW-30S were purged dry prior to achieving stabilization of groundwater field parameters. Purging was discontinued and the water level was allowed to recover prior to sampling. Daily field reports for the December 2023 event are provided in **Appendix B**.

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

Quality assurance/quality control samples collected for groundwater samples included one matrix spike/matrix spike duplicate, one field blank, and two equipment blanks. Each groundwater sample was collected for off-site laboratory analysis of VOCs by U.S. Environmental Protection Agency (EPA) Method SW8260D and emerging contaminants (PFAS by EPA Method 1633 and 1,4-dioxane by EPA Method SW8270E-SIM). Sample identifications, sample dates/times, and quality assurance/quality control sample locations are presented in **Table 2**.

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 E**), and samples were shipped overnight via Federal Express shipping to SGS North America Inc. in Dayton, New Jersey under secure chain-of-custody protocol. Analytical results 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 to the nearest hundredth of a foot from a designated measuring point on top of the inner polyvinyl chloride well casing.

Purge water generated during groundwater sampling was containerized in 55-gallon steel drums and staged on-site. EA has procured AARCO Environmental Services to handle waste disposal for the site. Waste disposal manifests will be 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.

3. GROUNDWATER ANALYTICAL RESULTS

Historical analytical results of VOCs are presented in **Table 3**. Historical analytical results of emerging contaminants (PFAS and 1,4-dioxane) are summarized in **Table 4**. Groundwater analytical results were compared to the NYSDEC 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

Seventeen VOCs were detected in groundwater samples collected during the December 2023 sampling event, as presented in **Table 3**. Chlorinated VOCs including 1,1-DCE, c*is*-1,2-DCE, PCE, t*rans*-1,2-DCE, TCE, and vinyl chloride were detected in groundwater at concentrations in exceedance of NYSDEC Class GA AWQS at 14 wells located in the southwest corner of the site, as summarized below and presented on **Figure 4**. 1,1,1-trichloroethane was not detected at any of the monitoring wells sampled during the event.

- PCE: exceeded the Class GA AWQS of 5 micrograms per liter (µg/L) at 7 wells (MW-01, MW-1D, MW-07RS, MW-21S, MW-25RS, MW-25RD, and MW-30D) with concentrations ranging from 5.7 µg/L at MW-25RS to 289.0 µg/L at MW-01D

- TCE: exceeded the Class GA AWQS of 5 µg/L at 5 wells (MW-01, MW-1D, MW-07RS, and MW-25RS and MW-25RD), with concentrations ranging from 6.3 µg/L at MW-25RD to 86.2 µg/L at MW-01D

- C*is*-1,2-DCE: exceeded the Class GA AWQS of 5 µg/L at 14 wells (MW-01, MW-1D, MW-07D, MW-07RS, MW-08, MW-11, MW-21S, MW-21D, MW-22RS, MW-22RD, MW-25RS, MW-25RD, and MW-30S, MW-30D) with concentrations ranging from 8.2 µg/L at MW-21S to 4,420.0 µg/L at MW-21D

- 1,1-DCE: exceeded the Class GA AWQS of 5 µg/L at MW- 21D only (estimated 6.9 µg/L)

- *Trans*-1,2-DCE: exceeded the Class GA AWQS of 5 µg/L at MW-21D (71.2 µg/L) and MW-22RD (8.9 µg/L)

- Vinyl chloride: met or exceeded the Class GA AWQS of 2 µg/L at 11 wells (MW-01, MW-1D, MW-07RS, MW-07D, MW-8, MW-11, MW-21D, MW-22RS, MW-22RD, MW-25RD, MW-30S, and MW-30D) with concentrations ranging from 2 µg/L at MW-07D to 279.0 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

exceedance of NYSDEC Class GA AWQS. MW-8 and MW-11 are screened across the water table on the western side of the Crown Dykman Property.

- Benzene: exceeded the Class GA AWQS of 1 µg/L at MW-11 only (9.7 µg/L)
- Ethylbenzene: exceeded the Class GA AWQS of 5 µg/L at MW-08 (70.0 µg/L) and MW-11 (30.7 µg/L)
- Isopropylbenzene: exceeded the Class GA AWQS of 5 µg/L at MW-08 (36.8 µg/L) and MW-11 (13.1 µg/L)
- o-xylene: exceeded the Class GA AWQS of 5 µg/L at MW-08 (343 µg/L) and MW-11 (38.3 µg/L)
- Toluene: exceeded the Class GA AWQS of 5 µg/L at MW-08 (29.3 µg/L) and MW-11 (15.4 µg/L)
- Total xylenes: met or exceeded the Class GA AWQS of 5 µg/L at MW-08 (815 µg/L) and MW-11 (128 µg/L).

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

Twenty PFAS analytes were detected in groundwater samples collected in December 2023. Concentrations reported for detected compounds are summarized in **Table 4**. Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected at concentrations in exceedance of the Class GA AWQS for those compounds (**Figure 5**).

- PFOS exceeded the Class GA AWQS of 2.7 nanograms per liter (ng/L) at each of the 17 wells sampled, with concentrations ranging from 13 ng/L at MW-02 to 1,770 ng/L at MW-08
- PFOA exceeded the Class GA AWQS of 6.7 ng/L at 15 of the 17 wells sampled (each well except MW-02 and MW-30D), with concentrations ranging from 7 ng/L at MW-4R to 84 ng/L at MW-8.

1,4-Dioxane was detected in groundwater samples collected from monitoring wells MW-1D, MW-5R, MW-07D, MW-07RS, MW-08, MW-21D, and MW-22RD during the December 2023 sampling event. None of these detections exceeded the Class GA AWQS of 0.35 µg/L.

4. CONCLUSIONS

Based on the December 2023 groundwater analytical results, chlorinated VOCs including 1,1-DCE, c*is*-1,2-DCE, PCE, t*rans*-1,2-DCE, TCE, and vinyl chloride continue to be detected in groundwater in the southwest corner of the site at concentrations exceeding Class GA AWQS. In addition, petroleum-related VOCs continue to be detected in wells along the western side of the property at concentrations exceeding Class GA AWQS.

Emerging contaminant analytical results reported concentrations of PFOS and PFOA above the Class GA AWQS at most sample locations.

EA will continue quarterly groundwater monitoring at the site, with at a minimum annual inspection of monitoring and injection well conditions. Based on the April and December 2023 site inspections, well repairs are recommended as follows: replacement of select flush mount covers, rethreading of well eyelets, and addition of bolts to secure monitoring wells from runoff. As stated in **Section 2.1**, EA is in the process of procuring a subcontractor to complete well pad replacements.

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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

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Table 1. Monitoring Well Construction

Well ID	Well Type	Northing*	Easting*	Ground Surface (ft amsl)	Measure Point (ft amsl)	Rim (ft amsl)	Screen Length (ft)	Well Diamter (in.)	Total Depth (ft bgs)	Screen Interval (ft bgs)		Screen Interval (ft amsl)		Condition
										Top	Bottom	Top	Bottom	
MW-1	Monitoring	253427.3258	1084108.199	15.017	14.193	15.017	5	2	5.78	0.78	5.78	14.24	9.24	Good
MW-1D	Monitoring	253425.4952	1084111.868	14.636	14.031	14.636	10	2	27.00	17.00	27.00	-2.36	-12.36	Good
MW-1DD	Monitoring	253429.9299	1084112.502	15.28	15.26	15.39	5	2	32.88	27.88	32.88	-12.60	-17.60	Cannot find
MW-2	Monitoring	253477.71	1084236.638	17.14	16.65	17.14	10	2	23.69	13.69	23.69	3.45	-6.55	Good
MW-3	Monitoring	253664.08	1084064.53	27.47	27.39	27.47	10	2	19.90	9.90	19.90	17.57	7.57	Cannot find
MW-4R	Monitoring	253639.97	1084169.21	21	20.7	21	10	2	18.76	8.76	18.76	12.24	2.24	Good
MW-5R	Monitoring	253624.8	1084004.49	26.35	25.92	26.35	10	2	22.15	12.15	22.15	14.20	4.20	Stickup casing is bent, replace well pad
MW-6R	Monitoring	253485.801	1084131.177	21.81	21.47	NA	10	1	14.25	4.25	14.25	17.56	7.56	Decommissioned
MW-7RS	Monitoring	253460.79	1084171.26	19.9	NA	NA	10	2	19.00	9.00	19.00	10.90	0.90	Good
MW-7D	Monitoring	253457.99	1084169.79	19.86	NA	NA	5	2	24.00	19.00	24.00	0.86	-4.14	Good
MW-8	Monitoring	253502.6652	1084071.608	21.56	20.95	21.56	10	2	14.52	4.52	14.52	17.04	7.04	Good
MW-9	Monitoring	253381.22	1084028.448	15.63	15.55	NA	10	2	15.60	5.60	15.60	10.03	0.03	Decommissioned
MW-10S	Monitoring	253459.525	1084114.5	19.85	19.65	NA	10	2	13.10	3.10	13.10	16.75	6.75	Decommissioned
MW-10D	Monitoring	253456.752	1084112.617	19.76	19.34	NA	10	2	20.45	10.45	20.45	9.31	-0.69	Decommissioned
MW-11	Monitoring	253524.2597	1084064.479	21.701	21.339	21.701	5	1	9.56	4.56	9.56	17.14	12.14	Good
MW-12	Monitoring	253479.459	1084060.781	19.27	NA	NA	NA	NA	NA	NA	NA	NA	NA	Decommissioned
MW-13	Monitoring	253467.856	1084088.426	20.12	NA	NA	5	2	12.22	7.22	12.22	12.90	7.90	Decommissioned
MW-14R	Monitoring	253499.572	1084095.465	21.92	NA	NA	5	2	12.26	7.26	12.26	14.66	9.66	Decommissioned
MW-15R	Monitoring	253530.65	1084124.616	21.94	NA	NA	5	2	12.22	7.22	12.22	14.72	9.72	Decommissioned
MW-16R	Monitoring	253496.884	1084137.238	21.92	NA	NA	5	2	10.18	5.18	10.18	16.74	11.74	Decommissioned
MW-17R	Monitoring	253486.9	1084145.868	21.87	NA	NA	5	2	10.27	5.27	10.27	16.60	11.60	Decommissioned
MW-18	Monitoring	253463.013	1084134.286	20.13	NA	NA	5	1	12.18	7.18	12.18	12.95	7.95	Decommissioned
MW-19	Monitoring	253523.852	1084156.512	21.84	NA	NA	5	2	12.23	7.23	12.23	14.61	9.61	Decommissioned
MW-20	Monitoring	253496.086	1084170.034	21.87	NA	NA	5	2	8.72	3.72	8.72	18.15	13.15	Decommissioned
MW-21S	Monitoring	253447.8705	1084075.015	16.74	16.71	16.9	10	2	12.80	2.80	12.80	13.94	3.94	Broken cover, replace well pad
MW-21D	Monitoring	253450.2446	1084073.761	16.87	16.91	17.02	10	2	22.60	12.60	22.60	4.27	-5.73	Broken cover, replace well pad
MW-22RD	Monitoring	253429.315	1084083.595	15.27	15.02	NA	10	2	29.95	19.95	29.95	-4.68	-14.68	Casing cracked, replace well pad
MW-22RS	Monitoring	253427.925	1084088.947	14.71	14.16	NA	10	2	20.08	10.08	20.08	4.63	-5.37	Good
MW-23S	Monitoring	253434.6458	1084135.27	15.19	15.1	15.24	10	2	12.00	2.00	12.00	13.19	3.19	Cannot find
MW-23D	Monitoring	253432.6943	1084137.451	15.12	15.01	15.16	10	2	19.38	9.38	19.38	5.74	-4.26	Cannot find
MW-24	Monitoring	253438.274	1084055.459	18	NA	NA	10	2	13.40	3.40	13.40	14.60	4.60	Decommissioned
MW-25RD	Monitoring	253437.87	1084097.65	19.16	NA	NA	10	2	27.00	17.00	27.00	2.16	-7.84	Good
MW-25RS	Monitoring	253436.07	1084098.47	19.35	NA	NA	10	2	17.00	7.00	17.00	12.35	2.35	Good
MW-26	Monitoring	253479.64	1084101.024	21.92	NA	NA	10	2	14.00	3.00	13.00	18.92	8.92	Decommissioned
MW-27	Monitoring	253470.786	1084109.876	21.81	NA	NA	10	2	15.00	5.00	15.00	16.81	6.81	Decommissioned
MW-28	Monitoring	253470.176	1084100.501	21.92	NA	NA	10	2	14.00	4.00	14.00	17.92	7.92	Decommissioned
MW-29	Monitoring	253486.846	1084122.116	21.81	NA	NA	10	2	14.00	4.00	14.00	17.81	7.81	Decommissioned
MW-30S	Monitoring	253443.77	1084121.74	19.74	NA	NA	10	2	20.00	10.00	20.00	9.74	-0.26	Good
MW-30D	Monitoring	253442.28	1084118.01	19.73	NA	NA	10	2	30.00	20.00	30.00	-0.27	-10.27	Good
IW-01S	Monitoring	253458.97	1084093.01	19.82	NA	NA	10	2	18.00	8.00	18.00	11.82	1.82	Decommissioned
IW-01D	Monitoring	253456.712	1084102.869	19.75	NA	NA	10	2	24.00	14.00	24.00	5.75	-4.25	Decommissioned
IS-1	Injection	253470.0712	1084085.515	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-2	Injection	253459.4387	1084088.154	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-3	Injection	253448.8061	1084093.199	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-4	Injection	253446.3606	1084106.047	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-5	Injection	253453.1178	1084114.219	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-6	Injection	253456.8747	1084126.099	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-7	Injection	253461.6073	1084136.028	17	NA	NA	10	2	27.00	15.00	25.00	2.00	-8.00	Good
IS-8	Injection	253441.6769	1084099.461	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-9	Injection	253445.5312	1084115.195	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-10	Injection	253448.8731	1084122.952	16	NA	NA	10	2	27.00	15.00	25.00	1.00	-9.00	Good
IS-11	Injection	253453.5082	1084133.637	17	NA	NA	10	2	27.00	15.00	25.00	2.00	-8.00	Good
IS-12	Injection	253457.6309	1084143.615	17	NA	NA	10	2	27.00	15.00	25.00	2.00	-8.00	Good

Notes:
Bolded and yellow highlighted wells were decommissioned prior to or during site excavation and building demolition
Bolded wells were not found during the December 2023 groundwater monitoring event, and were not sampled
* Coordinate system NAD 1983 (2011) State Plane New York Long Island 3101 FIPS (US Feet)
Amsl = Above mean sea level
Bgs = Below ground surface
Ft = Feet/foot
ID = Identification
NA = Not available

Table 2. Summary of Samples Collected (December 2023)

Well ID	Sample ID	Sample Date	Sample Time	MS/MSD	Location
MW-01	130054-MW-1	12/5/2023	14:14	N	On-site
MW-01D	130054-MW-1D	12/5/2023	15:09	N	On-site
MW-02	130054-MW-2	12/4/2023	13:00	N	On-site
MW-04R	130054-MW-4R	12/4/2023	12:49	**Y**	On-site
MW-05R	130054-MW-5R	12/4/2023	14:46	N	On-site
MW-07D	130054-MW-7D	12/4/2023	16:50	N	On-site
MW-07RS	130054-MW-7RS	12/4/2023	14:35	N	On-site
MW-08	130054-MW-8	12/4/2023	16:46	N	On-site
MW-11	130054-MW-11	12/5/2023	09:19	N	On-site
MW-21D	130054-MW-21D	12/5/2023	11:07	N	On-site
MW-21S	130054-MW-21S	12/5/2023	08:53	N	On-site
MW-22RD	130054-MW-22RD	12/5/2023	13:59	N	On-site
MW-22RS	130054-MW-22RS	12/5/2023	12:30	N	On-site
MW-25RD	130054-MW-25RD	12/5/2023	12:47	N	On-site
MW-25RS	130054-MW-25RS	12/5/2023	11:50	N	On-site
MW-30D	130054-MW-30D	12/5/2023	09:54	N	On-site
MW-30S	130054-MW-30S	12/5/2023	10:30	N	On-site
QC Samples					
Well ID	**Sample ID**	**Sample Date**	**Sample Time**	**QC Type**	
MW-07RS	130054-DUP-01-12042023	12/04/2023	---	Field Duplicate	
NA	130054-TB-01-12052023	12/05/2023	08:00	Trip Blank	
NA	130054-RB-01-12042023	12/04/2023	17:00	Rinse Blank	
NA	130054-RB-02-12052023	12/05/2023	15:15	Rinse Blank	

Notes:
ID = Identification
MS = Matrix spike
MSD = Matrix spike duplicate
NA = Not applicable/available
QC = Quality control

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
		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	MW-X	MW-1-20130424	MW-X
		Parent Sample ID			MW-1_06202011		MW-1_09162011			MW-1_07182012		MW-1_11012012		MW-1-20130424
		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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
Cis-1,2-Dichloroethylene	5	µg/L	**3000**	**5700**	**5700**	**120**	**120**	**2500**	**4500**	**3800**	**2800**	**3600**	**2200**	**2000 J**
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
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
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
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
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
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
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
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
Tetrachloroethylene (PCE)	5	µg/L	**950**	**3300**	**3300**	**48**	**51**	**880**	**1300**	**1100**	**1200**	**1500**	**600**	**640**
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
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**
Trichloroethylene (TCE)	5	µg/L	**530**	**1100**	**1200**	**20**	**22**	**300**	**760**	**700**	**660**	**690**	**240**	**290**
Vinyl Chloride	2	µg/L	**77 J**	**200**	**230**	**64**	**66**	**87**	**140**	**190**	**130**	**150**	**98**	**130**
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

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-01	MW-01	MW-01D	MW-01D	MW-01D	MW-01D
		Sample Name	MW-01	MW-1-101413	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
		Parent Sample ID													
		Sample Date	8/27/2013	10/14/2013	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
Analyte	**NYSDEC AWQS[1]**	**Unit**													
VOCs (SW8260)															
1,1,1-Trichloroethane (TCA)	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,1,2-Trichloroethane	1	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.37 U	< 0.18 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,1-Dichloroethane	5	µg/L	< 20 U	< 40 U	< 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
1,1-Dichloroethene	5	µg/L	< 20 U	< 40 U	< 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
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	--	--	< 0.56 U	< 0.28 U	--	< 250 U	< 5 U	< 5 U	< 2 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	--	--	< 0.4 U	0.49 J	--	< 250 U	< 5 U	< 5 U	< 2 U
1,2-Dichlorobenzene	3	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,2-Dichloroethane	0.6	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.62 U	< 0.31 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,2-Dichloropropane	1	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.36 U	< 0.18 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	--	--	< 0.23 U	< 0.11 U	--	< 250 U	< 5 U	< 5 U	< 2 U
1,3-Dichlorobenzene	3	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.24 U	0.28 J	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,4-Dichlorobenzene	3	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	< 41 U	< 21 U	--	--	--	--	--
Acetone	50	µg/L	< 200 U	< 400 U	< 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
Benzene	1	µg/L	< 20 U	< 40 U	< 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
Carbon Disulfide	60	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 2.9 U	< 1.4 U	< 2 U	< 250 U	< 5 U	< 5 U	< 2 U
Chlorobenzene	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.21 U	< 0.11 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
Chloroform	7	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
Cis-1,2-Dichloroethylene	5	µg/L	**1400**	**690**	**970**	**630**	**1300**	**45**	**230**	**43**	**152**	**8500**	**4000**	**2100**	**3300**
Cyclohexane	NSL	µg/L	< 20 U	< 40 U	< 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
Ethylbenzene	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.43 U	0.46 J	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 500 U	< 10 U	< 10 U	< 2 U
Isopropylbenzene (Cumene)	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
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	< 400 U	< 200 U	< 100 U	< 200 U	< 50 U	< 3.2 U	< 1.6 U	< 10 U	< 500 U	< 10 U	< 10 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 100 U	< 400 U	< 100 U	< 50 U	< 100 U	< 10 U	< 2.6 U	< 1.3 U	< 5 U	< 500 U	< 10 U	< 10 U	< 10 U
Methylcyclohexane	NSL	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 5 U	< 0.49 U	< 0.24 U	< 5 U	--	--	--	--
Methylene Chloride	5	µg/L	**10 J**	< 40 U	< 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
M-P-Xylene	NSL	µg/L	--	--	--	--	--	--	< 0.92 U	1.5 J	--	< 250 U	< 5 U	< 5 U	< 4 U
Naphthalene	10	µg/L	--	--	--	--	--	--	< 0.49 U	< 0.24 U	--	< 250 U	< 5 U	< 5 U	< 2 U
N-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.3 U	< 0.15 U	--	< 250 U	< 5 U	< 5 U	< 2 U
N-Propylbenzene	NSL	µg/L	--	--	--	--	--	--	< 0.17 U	< 0.086 U	--	< 250 U	< 5 U	< 5 U	< 2 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
Sec-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.22 U	< 0.11 U	--	< 250 U	< 5 U	< 5 U	< 2 U
T-Butylbenzene	5	µg/L	--	--	--	--	--	--	< 0.26 U	< 0.13 U	--	< 250 U	< 5 U	1.1 J	< 2 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	< 9.4 U	< 4.7 U	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 20 U	< 40 U	< 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
Tetrachloroethylene (PCE)	5	µg/L	**470**	**240**	**250**	**170**	**530**	**11**	**120**	**6**	**13**	**4400**	**420**	**220**	**150**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	< 0.98 U	< 0.49 U	--	--	--	--	--
Toluene	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	< 1 U	< 0.45 U	2.7	< 1 U	< 250 U	< 5 U	< 5 U	< 2 U
Trans-1,2-Dichloroethene	5	µg/L	< 20 U	< 40 U	< 20 U	< 10 U	< 20 U	0.3 J	1.3 J	< 0.17 U	0.79 J	**76 J**	**26**	**27**	**21**
Trichloroethylene (TCE)	5	µg/L	**230**	**100**	**140**	**95**	**340**	**11**	**61**	**5.7**	**8.7**	**1700**	**460**	**190**	**300**
Vinyl Chloride	2	µg/L	**87**	**58**	**65**	**21**	< 20 U	**3.1**	**6.2**	0.89 J	**2.1**	**400**	**110 J**	**190**	**71**
Xylenes	5	µg/L	< 40 U	< 80 U	< 40 U	< 20 U	< 40 U	< 3 U	--	--	< 1 U	< 250 U	< 5 U	< 5 U	< 6 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-01D	MW-01D	MW-01D	MW-01DD
		Sample Name	MW-1D_07182012	MW-1D_10312012	MW-1D-20130424	MW-01D	MW-1D-101413	MW-1D-112113	MW-1D 011414	MW-1D_071014	MW-01D	MW-1D-06102022	130054-MW-1D-12052023	MW-1DD_06202011
		Parent Sample ID												
		Sample Date	7/18/2012	10/31/2012	4/24/2013	8/26/2013	10/14/2013	11/21/2013	1/14/2014	7/10/2014	11/2/2017	6/10/2022	12/5/2023	6/20/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.68 U	< 1 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.73 U	< 1 U	< 5 U
1,1-Dichloroethane	5	µg/L	< 2 U	0.91 J	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.33 J	< 0.57 U	< 1 U	< 5 U
1,1-Dichloroethene	5	µg/L	2.7	5	4.2 J	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.77 J	< 0.57 U	2.8	< 5 U
1,2,3-Trichloropropane	0.04	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 1.1 U	--	< 5 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.8 U	--	< 5 U
1,2-Dichlorobenzene	3	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.49 U	< 1 U	< 5 U
1,2-Dichloroethane	0.6	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 1.2 U	< 1 U	< 5 U
1,2-Dichloropropane	1	µg/L	< 2 U	0.37 J	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.72 U	< 1 U	0.76 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.45 U	--	< 5 U
1,3-Dichlorobenzene	3	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.47 U	< 1 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.52 U	< 1 U	< 5 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	< 82 U	--	--
Acetone	50	µg/L	< 10 U	< 10 U	< 25 R	< 800 U	< 500 U	< 500 U	< 250 U	< 200 U	< 25 U	< 8.1 U	< 10 U	< 10 U
Benzene	1	µg/L	< 2 U	0.49 J	**1.1 J**	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.8 U	< 0.5 U	0.81 U
Carbon Disulfide	60	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 5.8 U	< 2 U	< 5 U
Chlorobenzene	5	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.42 U	< 1 U	< 5 U
Chloroform	7	µg/L	< 2 U	0.2 J	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	0.27 J	< 0.67 U	< 1 U	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**2000**	**6500**	**7800**	**6200**	**3800**	**4800**	**1900**	**1300**	**350**	**410**	**659**	**340**
Cyclohexane	NSL	µg/L	--	--	--	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 5 U	--	< 5 U	--
Cymene	NSL	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.39 U	--	< 5 U
Ethylbenzene	5	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.86 U	< 1 U	< 5 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 2 U	< 2 U	< 5 UJ	--	--	--	--	--	--	--	--	< 10 U
Isopropylbenzene (Cumene)	5	µg/L	< 2 U	0.48 J	0.42 J	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.51 U	< 1 U	--
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 0.43 U	< 1 U	< 5 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 10 U	< 25 R	< 800 U	< 500 U	< 500 U	< 250 U	< 200 U	< 50 U	< 6.5 U	< 10 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 10 U	< 10 U	< 25 U	< 400 U	< 500 U	< 250 U	< 130 U	< 100 U	< 10 U	< 5.1 U	< 5 U	< 10 U
Methylcyclohexane	NSL	µg/L	--	--	--	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 5 U	< 0.98 U	< 5 U	--
Methylene Chloride	5	µg/L	< 2 U	< 2 U	< 5 U	**58 J**	< 50 U	< 50 U	**25**	< 20 U	< 5 U	< 0.94 U	< 2 U	< 5 U
M-P-Xylene	NSL	µg/L	< 4 U	< 4 U	< 10 U	--	--	--	--	--	--	< 1.8 U	--	< 5 U
Naphthalene	10	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.97 U	--	< 5 U
N-Butylbenzene	5	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.61 U	--	< 5 U
N-Propylbenzene	NSL	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.34 U	--	< 5 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 2 U	< 2 U	< 5 U	--	--	--	--	--	--	< 0.92 U	< 1 U	< 5 U
Sec-Butylbenzene	5	µg/L	1.1 J	0.57 J	0.96 J	--	--	--	--	--	--	< 0.44 U	--	< 5 U
T-Butylbenzene	5	µg/L	0.41 J	0.45 J	1.3 J	--	--	--	--	--	--	< 0.52 U	--	< 5 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 19 U	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 2 U	2.2	4 J	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.69 U	4.3	2.4 U
Tetrachloroethylene (PCE)	5	µg/L	**790**	**940**	**1400**	**1100**	**630**	**700**	**300**	**270**	**40**	**54**	**289**	**200**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 2 U	--	--
Toluene	5	µg/L	< 2 U	< 2 U	< 5 U	< 80 U	< 50 U	< 50 U	< 25 U	< 20 U	< 1 U	< 0.9 U	< 1 U	< 5 U
Trans-1,2-Dichloroethene	5	µg/L	**15**	**140**	**48**	< 80 U	**22 J**	< 50 U	< 25 U	< 20 U	3.6	3.1 J	3.5	3.8 U
Trichloroethylene (TCE)	5	µg/L	**320**	**880**	**1100**	**1100**	**690**	**840**	**290**	**290**	**65**	**58**	**86.2**	**71**
Vinyl Chloride	2	µg/L	**76**	**290**	**450**	**520**	**350**	**410**	**96**	**49**	**4.8**	**13**	**12.9**	**70**
Xylenes	5	µg/L	< 6 U	< 6 U	< 15 U	< 160 U	< 100 U	< 100 U	< 50 U	< 40 U	< 3 U	--	< 1 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-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD	MW-01DD
		Sample Name	MW-1DD_09152011	MW-1DD_03292012	MW-1DD_07182012	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
		Parent Sample ID												MW-1DD-06102022
		Sample Date	9/15/2011	3/29/2012	7/18/2012	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
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.34 U	< 0.34 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.37 U	< 0.37 U
1,1-Dichloroethane	5	µg/L	< 5 U	0.6 J	0.77 J	0.61 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.28 U	< 0.28 U
1,1-Dichloroethene	5	µg/L	< 5 U	2.9	**8**	1.2	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.28 U	< 0.28 U
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.56 U	< 0.56 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.4 U	< 0.4 U
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.24 U	< 0.24 U
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.62 U	< 0.62 U
1,2-Dichloropropane	1	µg/L	< 5 U	0.6 J	0.68 J	0.68 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.36 U	< 0.36 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.23 U	< 0.23 U
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.24 U	< 0.24 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.26 U	< 0.26 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	< 41 U	< 41 U
Acetone	50	µg/L	1.9 J	< 5 U	< 5 U	< 5 U	< 100 U	< 130 U	< 40 U	< 20 U	< 40 U	< 25 U	< 4.1 U	< 4.1 U
Benzene	1	µg/L	< 5 U	0.64 J	0.71 J	0.7 J	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.4 U	< 0.4 U
Carbon Disulfide	60	µg/L	< 5 U	< 1 U	< 1 U	1.1	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 2.9 U	< 2.9 U
Chlorobenzene	5	µg/L	< 5 U	< 1 U	0.11 J	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.21 U	< 0.21 U
Chloroform	7	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.34 U	< 0.34 U
Cis-1,2-Dichloroethylene	5	µg/L	**130**	**1900**	**2000**	**280**	**730**	**490**	**240**	**85**	**170**	**140**	**58**	**49**
Cyclohexane	NSL	µg/L	--	--	--	--	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 5 U	--	--
Cymene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.19 U	< 0.19 U
Ethylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.43 U	< 0.43 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 10 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	--	--	--	--	< 10 U	--	--	--	--	< 1 U	< 0.26 U	< 0.26 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 5 U	0.13 J	0.38 J	< 1 U	--	< 13 U	< 4 U	< 2 U	< 4 U	--	< 0.22 U	< 0.22 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 100 U	< 130 U	< 40 U	< 20 U	< 40 U	< 50 U	< 3.2 U	< 3.2 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 10 U	< 5 U	< 5 U	< 5 U	< 50 U	< 130 U	< 20 U	< 10 U	< 20 U	< 10 U	< 2.6 U	< 2.6 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 5 U	< 0.49 U	< 0.49 U
Methylene Chloride	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	**6.2 J**	< 13 U	< 4 U	1.8 J	< 4 U	< 5 U	< 0.47 U	< 0.47 U
M-P-Xylene	NSL	µg/L	< 5 U	< 2 U	< 2 U	< 2 U	--	--	--	--	--	--	< 0.92 U	< 0.92 U
Naphthalene	10	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.49 U	< 0.49 U
N-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.3 U	< 0.3 U
N-Propylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--	< 0.17 U	< 0.17 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	< 1 U	0.16 J	< 1 U	--	--	--	--	--	--	< 0.46 U	< 0.46 U
Sec-Butylbenzene	5	µg/L	< 5 U	0.71 J	2.8	< 1 U	--	--	--	--	--	--	< 0.22 U	< 0.22 U
T-Butylbenzene	5	µg/L	< 5 U	1.1	4.5	0.26 J	--	--	--	--	--	--	< 0.26 U	< 0.26 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	< 9.4 U	< 9.4 U
Tert-Butyl Methyl Ether	10	µg/L	1.1 J	4.3	6.7	1.2	2.1 J	< 13 U	1 J	0.47 J	0.9 J	< 1 U	< 0.34 U	< 0.34 U
Tetrachloroethylene (PCE)	5	µg/L	**48**	**400**	**740**	**63**	**210**	**110**	**74**	**33**	**40**	**65**	**21**	**17**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	< 0.98 U	< 0.98 U
Toluene	5	µg/L	< 5 U	< 1 U	< 1 U	< 1 U	< 10 U	< 13 U	< 4 U	< 2 U	< 4 U	< 1 U	< 0.45 U	< 0.45 U
Trans-1,2-Dichloroethene	5	µg/L	2.7 J	**9.8**	**14**	4.6	< 10 U	2.4 J	< 4 U	< 2 U	< 4 U	1.3	< 0.34 U	0.7 J
Trichloroethylene (TCE)	5	µg/L	**16**	**280**	**350**	**27**	**130**	**76**	**44**	**15**	**28**	**38**	**11**	**8.6**
Vinyl Chloride	2	µg/L	**46**	**190**	**310**	**51**	**110**	**75**	**38**	**25**	**30**	**4.1**	< 0.42 U	< 0.42 U
Xylenes	5	µg/L	< 5 U	< 3 U	< 3 U	< 3 U	< 20 U	< 25 U	< 8 U	< 4 U	< 8 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-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02	MW-02
		Sample Name	MW-1DD-09262022	MW-2_03092011	MW-2_06232011	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
		Parent Sample ID						MW-2_04032012						
		Sample Date	9/26/2022	3/9/2011	6/23/2011	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
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 0.17 U	< 5 U	< 5 U	< 5 U	0.54 J	0.59 J	0.43 J	1.1	1.9	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 0.18 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 0.14 U	< 5 U	< 5 U	< 5 U	0.2 J	< 1 U	< 1 U	0.18 J	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethene	5	µg/L	< 0.14 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	< 0.28 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	0.25 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	1.5	< 1 U	--	--	--	--
1,2-Dichlorobenzene	3	µg/L	< 0.12 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 0.31 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 0.18 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	0.22 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	0.53 J	< 1 U	--	--	--	--
1,3-Dichlorobenzene	3	µg/L	0.2 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 0.13 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	< 21 U	--	--	--	--	--	--	--	--	< 0.4 U	--	--
Acetone	50	µg/L	6.3 J	< 10 U	< 10 U	1.1 J	< 5 U	< 5 U	< 5 U	< 5 R	< 10 U	< 5 U	< 25 U	< 10 U
Benzene	1	µg/L	0.3 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U
Carbon Disulfide	60	µg/L	< 1.4 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U
Chlorobenzene	5	µg/L	< 0.11 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	7	µg/L	< 0.17 U	< 5 U	< 5 U	< 5 U	0.095 J	0.14 J	< 1 U	0.13 J	< 1 U	< 1 U	< 1 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**24**	1 J	1.3 J	4.3 J	1.2	1.1	2.2	1.1	3.3	0.33 J	1.1	< 1 U
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	--	--	< 1 U	< 1 U	< 5 U	< 5 U
Cymene	NSL	µg/L	< 0.097 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
Ethylbenzene	5	µg/L	0.26 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 UJ	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 0.13 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 0.11 U	--	--	--	--	--	--	--	--	--	--	< 1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 1.6 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 R	< 10 U	< 5 U	< 50 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 1.3 U	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 5 U
Methylcyclohexane	NSL	µg/L	< 0.24 U	--	--	--	--	--	--	--	< 1 U	< 1 U	< 5 U	< 5 U
Methylene Chloride	5	µg/L	< 0.23 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 2 U
M-P-Xylene	NSL	µg/L	0.87 J	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	0.29 J	< 2 U	--	< 1 U	--	--
Naphthalene	10	µg/L	< 0.24 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
N-Butylbenzene	5	µg/L	< 0.15 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
N-Propylbenzene	NSL	µg/L	< 0.086 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	0.15 J	< 1 U	--	--	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	0.47 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	0.21 J	< 1 U	--	< 1 U	--	< 1 U
Sec-Butylbenzene	5	µg/L	< 0.11 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
T-Butylbenzene	5	µg/L	< 0.13 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	--	--	--	--
Tert-Butyl Alcohol	NSL	µg/L	< 4.7 U	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 0.17 U	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	**10**	**42**	**33**	**37**	**34**	**35**	**43**	**26**	**52**	**7.9**	**17**	1.4
Tetrahydrofuran	NSL	µg/L	< 0.49 U	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	1.6	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	0.37 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethylene (TCE)	5	µg/L	**6.3**	4.1 J	3.2 J	**5.5**	3.7	3.8	**5.1**	2.9	**8.6**	1.4	3.5	< 1 U
Vinyl Chloride	2	µg/L	0.33 J	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes	5	µg/L	--	< 5 U	< 5 U	< 5 U	< 3 U	< 3 U	0.5 J	< 3 U	< 2 U	--	< 3 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-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04	MW-04R	MW-04R	MW-04R	MW-05R	MW-05R
		Sample Name	MW-4_03082011	MW-4_06232011	MW-4_09152011	MW-4_03302012	MW-4_11022012	MW-4-20130426	MW-4_070914	MW-4R	DUP-1	130054-MW-4R-12042023	MW-05R	130054-MW-5R-12042023
		Parent Sample ID									MW-4R-20171102			
		Sample Date	3/8/2011	6/23/2011	9/15/2011	3/30/2012	11/2/2012	4/26/2013	7/9/2014	11/2/2017	11/2/2017	12/4/2023	11/6/2017	12/4/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 5 U	1.3 J	1 J	1.8	2	3	1.3	< 1 U	< 1 U	< 1 U	0.31 J	< 1 U
1,1-Dichloroethene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	0.38 J	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 10 U	1.8 J	2.4 J	< 5 U	< 5 U	< 5 R	< 10 U	< 25 U	< 25 U	< 10 U	< 25 U	< 10 U
Benzene	1	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.5 U	< 1 U	< 0.5 U
Carbon Disulfide	60	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 2 U	< 1 U	< 2 U
Chlorobenzene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Chloroform	7	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	2.5 J	2.4 J	1.9 J	1.6	1.6	1.8	2.6	0.94 J	0.69 J	< 1 U	1.1	< 1 U
Cyclohexane	NSL	µg/L	--	--	--	--	--	--	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Cymene	NSL	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
Ethylbenzene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 UJ	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 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	< 10 U	< 5 U	< 5 U	< 5 R	< 10 U	< 50 U	< 50 U	< 10 U	< 50 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 10 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 10 U	< 10 U	< 5 U	< 10 U	< 5 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	--	--	< 1 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U
Methylene Chloride	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U	< 5 U	< 2 U	< 5 U	< 2 U
M-P-Xylene	NSL	µg/L	< 5 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	--	--	--	--	--	--
Naphthalene	10	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
N-Butylbenzene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
N-Propylbenzene	NSL	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	< 1 U	--	< 1 U
Sec-Butylbenzene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
T-Butylbenzene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	--	--	--	--	--	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	< 5 U	< 5 U	1.6 J	< 1 U	< 1 U	< 1 U	1.4	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	< 5 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Trichloroethylene (TCE)	5	µg/L	0.74 J	0.71 J	0.85 J	0.38 J	0.19 J	< 1 U	1.4	< 1 U	< 1 U	< 1 U	0.26 J	< 1 U
Vinyl Chloride	2	µg/L	< 5 U	< 5 U	< 5 U	0.5 J	< 1 U	0.53 J	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Xylenes	5	µg/L	< 5 U	< 5 U	< 5 U	< 3 U	< 3 U	< 3 U	< 2 U	< 3 U	< 3 U	< 1 U	< 3 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-05R	MW-07D	MW-07D	MW-07D	MW-07RS	MW-07RS	MW-07RS	MW-07RS	MW-08	MW-08
		Sample Name	MW-5R-03182024	MW-7RD-06082022	MW-7D-09222022	130054-MW-7D-12042023	MW-7RS-06082022	MW-7RS-09222022	130054-MW-7RS-12042023	130054-DUP-01-12042023	MW-8	MW-8-20130426
		Parent Sample ID								130054-MW-7RS-20231204		
		Sample Date	3/18/2024	6/8/2022	9/22/2022	12/4/2023	6/8/2022	9/22/2022	12/4/2023	12/4/2023	11/2/2012	4/26/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**										
VOCs (SW8260)												
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 0.68 U	< 0.68 U	< 1 U	< 1.7 U	< 1.7 U	< 1 U	< 1 U	< 5 U	< 2 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 0.73 U	< 0.73 U	< 1 U	< 1.8 U	< 1.8 U	< 1 U	< 1 U	< 5 U	< 2 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 0.57 U	< 0.57 U	< 1 U	< 1.4 U	< 1.4 U	< 1 U	< 1 U	< 5 U	< 2 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 0.57 U	1.3 J	< 1 U	**5.5 J**	2.9 J	0.66 J	0.73 J	< 5 U	< 2 U
1,2,3-Trichloropropane	0.04	µg/L	--	< 1.1 U	< 1.1 U	--	< 2.8 U	< 2.8 U	--	--	**2.9 J**	< 2 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	< 0.8 U	< 0.8 U	--	< 2 U	< 2 U	--	--	2900	2600
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 0.49 U	< 0.49 U	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 1 U	< 5 U	< 2 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 3.1 U	< 3.1 U	< 1 U	< 1 U	< 5 U	< 2 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 0.72 U	< 0.72 U	< 1 U	< 1.8 U	< 1.8 U	< 1 U	< 1 U	< 5 U	< 2 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	< 0.45 U	< 0.45 U	--	< 1.1 U	< 1.1 U	--	--	840	830 J
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 0.47 U	< 0.47 U	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 1 U	< 5 U	< 2 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 0.52 U	< 0.52 U	< 1 U	< 1.3 U	< 1.3 U	< 1 U	< 1 U	< 5 U	< 2 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	< 82 U	< 82 U	--	< 210 U	< 210 U	--	--	--	--
Acetone	50	µg/L	< 10 U	< 8.1 U	< 8.1 U	< 10 U	< 20 U	< 20 U	< 10 U	< 10 U	< 25 U	< 10 R
Benzene	1	µg/L	< 0.5 U	< 0.8 U	< 0.8 U	< 0.5 U	< 2 U	< 2 U	< 0.5 U	< 0.5 U	0.97 J	**1.5 J**
Carbon Disulfide	60	µg/L	< 2 U	< 5.8 U	< 5.8 U	< 2 U	< 14 U	< 14 U	< 2 U	< 2 U	< 5 U	< 2 U
Chlorobenzene	5	µg/L	< 1 U	< 0.42 U	< 0.42 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1 U	< 5 U	< 2 U
Chloroform	7	µg/L	< 1 U	< 0.67 U	< 0.67 U	< 1 U	< 1.7 U	< 1.7 U	< 1 U	< 1 U	< 5 U	< 2 U
Cis-1,2-Dichloroethylene	5	µg/L	< 1 U	**210**	**290**	**175**	**790**	**620**	**182**	**189**	**420**	**270**
Cyclohexane	NSL	µg/L	< 5 U	--	--	< 5 U	--	--	< 5 U	< 5 U	--	--
Cymene	NSL	µg/L	--	< 0.39 U	< 0.39 U	--	< 0.97 U	< 0.97 U	--	--	64	67
Ethylbenzene	5	µg/L	< 1 U	< 0.86 U	< 0.86 U	< 1 U	< 2.1 U	< 2.1 U	< 1 U	< 1 U	**130**	**130**
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	< 5 U	< 2 U
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	< 0.51 U	< 0.51 U	< 1 U	< 1.3 U	< 1.3 U	< 1 U	< 1 U	**88**	**83**
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1 U	< 0.43 U	< 0.43 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 1 U	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 6.5 U	< 6.5 U	< 10 U	< 16 U	< 16 U	< 10 U	< 10 U	< 25 U	< 10 R
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5.1 U	< 5.1 U	< 5 U	< 13 U	< 13 U	< 5 U	< 5 U	< 25 U	< 10 U
Methylcyclohexane	NSL	µg/L	< 5 U	< 0.98 U	< 0.98 U	< 5 U	< 2.4 U	< 2.4 U	< 5 U	< 5 U	--	--
Methylene Chloride	5	µg/L	< 2 U	< 0.94 U	< 0.94 U	< 2 U	< 2.3 U	< 2.3 U	< 2 U	< 2 U	< 5 U	< 2 U
M-P-Xylene	NSL	µg/L	--	< 1.8 U	< 1.8 U	--	< 4.6 U	< 4.6 U	--	--	750	710
Naphthalene	10	µg/L	--	< 0.97 U	< 0.97 U	--	< 2.4 U	< 2.4 U	--	--	**150**	**76 J**
N-Butylbenzene	5	µg/L	--	< 0.61 U	< 0.61 U	--	< 1.5 U	< 1.5 U	--	--	**31**	**48 J**
N-Propylbenzene	NSL	µg/L	--	< 0.34 U	< 0.34 U	--	< 0.86 U	< 0.86 U	--	--	210	200
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	< 0.92 U	< 0.92 U	< 1 U	< 2.3 U	< 2.3 U	< 1 U	< 1 U	**570**	**520**
Sec-Butylbenzene	5	µg/L	--	< 0.44 U	< 0.44 U	--	< 1.1 U	< 1.1 U	--	--	**52**	**47**
T-Butylbenzene	5	µg/L	--	< 0.52 U	< 0.52 U	--	3.4 J	2.1 J	--	--	**16**	**16**
Tert-Butyl Alcohol	NSL	µg/L	--	< 19 U	< 19 U	--	< 47 U	< 47 U	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 1 U	1.2 J	1.7 J	1.4	3.4 J	3.7 J	1.1	1	**17**	**19**
Tetrachloroethylene (PCE)	5	µg/L	< 1 U	**23**	**13**	1.1	**74**	**21**	**28.9**	**30**	1.1 J	1.3 J
Tetrahydrofuran	NSL	µg/L	--	< 2 U	9.4 J	--	19 J	< 4.9 U	--	--	--	--
Toluene	5	µg/L	< 1 U	< 0.9 U	< 0.9 U	< 1 U	< 2.2 U	< 2.2 U	< 1 U	< 1 U	**95**	**84**
Trans-1,2-Dichloroethene	5	µg/L	< 1 U	< 0.67 U	< 0.67 U	0.77 J	< 1.7 U	< 1.7 U	1.4	1.5	3.5 J	3.5
Trichloroethylene (TCE)	5	µg/L	< 1 U	**12**	**7.2**	4.3	**91**	**23**	**27.3**	**27.3**	< 5 U	< 2 U
Vinyl Chloride	2	µg/L	< 1 U	**2.2 J**	**3 J**	2	**28**	**55**	**20**	**19.9**	**48**	**38**
Xylenes	5	µg/L	< 1 U	--	--	< 1 U	--	--	< 1 U	< 1 U	**1300**	**1200**

Notes:
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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-08	MW-08	MW-08	MW-08	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11	MW-11
		Sample Name	MW-8-112213	MW-8 011514	MW-08	130054-MW-8-12042023	MW-11_03082011	MW-11_06222011	MW-W	MW-11_09162011	MW-11_04022012	MW-11	MW-11-20130425	MW-W	MW-11
		Parent Sample ID							MW-11_06222011					MW-11-20130425	
		Sample Date	11/22/2013	1/15/2014	11/6/2017	12/4/2023	3/8/2011	6/22/2011	6/22/2011	9/16/2011	4/2/2012	11/2/2012	4/25/2013	4/25/2013	11/6/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**													
VOCs (SW8260)															
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	1	0.75 J	1.3	1.3	< 5 U
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	**0.83 J**	< 1 U	< 1 U	--
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	1500	1100	1100	790	980	740	850	950	--
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	0.28 J	< 5 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 UJ	< 1 UJ	< 5 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	640	470	450	--	460	220	490	490	--
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	0.3 J	0.34 J	< 5 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	< 10 U	5.8 J	< 250 U	< 40 U	< 200 U	< 200 U	< 200 U	16	17	19	--	--	< 130 U
Benzene	1	µg/L	< 1 U	**1.4**	< 10 U	< 2 U	**19 J**	**26 J**	**29 J**	**29**	**29**	**36**	**37**	**36**	**21**
Carbon Disulfide	60	µg/L	< 1 U	< 1 U	< 10 U	< 8 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	0.12 J	0.17 J	< 5 U
Chloroform	7	µg/L	< 1 U	< 1 U	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**20**	**220**	**86**	**67.7**	**2300**	**1900**	**1900**	**1500**	**1900**	**1700**	**2100**	**2100**	**650**
Cyclohexane	NSL	µg/L	< 1 U	2.3	< 50 U	< 20 U	--	--	--	--	--	--	--	--	< 25 U
Cymene	NSL	µg/L	--	--	--	--	82 J	48 J	--	--	41	13	52	51	--
Ethylbenzene	5	µg/L	**14**	**120**	**120**	**70**	**76 J**	**63 J**	**67 J**	**50**	**73**	**50**	**89**	**90**	**47**
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	< 200 U	< 200 U	< 200 U	< 10 U	< 1 U	< 1 U	< 1 UJ	< 1 UJ	--
Isopropylbenzene (Cumene)	5	µg/L	**8.9**	**65**	**66**	**36.8**	**45 J**	**33 J**	**32 J**	**29**	**32**	**18**	**41**	**42**	**15**
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	472	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 10 U	< 500 U	< 40 U	< 200 U	< 200 U	< 200 U	< 10 U	< 5 U	< 5 U	--	--	< 250 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 100 U	< 20 U	< 200 U	< 200 U	< 200 U	0.71 J	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U
Methylcyclohexane	NSL	µg/L	1.3	8.3	9.8 J	8.2 J	--	--	--	--	--	--	--	--	< 25 U
Methylene Chloride	5	µg/L	< 1 U	< 1 U	**10 J**	< 8 U	**37 J**	**40 J**	**43 J**	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 25 U
M-P-Xylene	NSL	µg/L	--	--	--	--	190	150	150	120	160	110	200	210	--
Naphthalene	10	µg/L	--	--	--	--	**100**	**98 J**	**120**	**70**	**100**	**51**	**110**	**110**	--
N-Butylbenzene	5	µg/L	--	--	--	--	**26 J**	**17 J**	**14 J**	**27**	**23**	< 1 U	**55**	**55**	--
N-Propylbenzene	NSL	µg/L	--	--	--	--	100	70 J	68 J	58	74	32	79	79	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	--	**343**	**200**	**180**	**180**	**110 J**	**180**	**140**	**230**	**230**	--
Sec-Butylbenzene	5	µg/L	--	--	--	--	**54 J**	**31 J**	**29 J**	**22**	**26**	< 1 U	**31**	**30**	--
T-Butylbenzene	5	µg/L	--	--	--	--	**60 J**	**33 J**	**36 J**	**22**	**38**	**15**	**43**	**42**	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	1.2	5.9	< 10 U	4.6	**410**	**390**	**390**	**410**	**320**	< 1 U	**200**	**200**	**63**
Tetrachloroethylene (PCE)	5	µg/L	< 1 U	1.3	< 10 U	< 4 U	< 100 U	**23 J**	**19 J**	**14**	0.92 J	0.23 J	0.67 J	0.73 J	3.2 J
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	**8.7**	**79**	**58**	**29.3**	**60 J**	**47 J**	**47 J**	**36**	**47**	**41**	**65**	**65**	**36**
Trans-1,2-Dichloroethene	5	µg/L	< 1 U	2.8	< 10 U	< 4 U	**23 J**	**15 J**	**17 J**	**14**	**20**	**14**	**23**	**24**	**9.6**
Trichloroethylene (TCE)	5	µg/L	< 1 U	0.55 J	< 10 U	< 4 U	< 100 U	< 100 U	< 100 U	**7.3**	0.45 J	< 1 U	0.53 J	0.53 J	< 5 U
Vinyl Chloride	2	µg/L	**3**	**25**	**13**	**9.2**	**1300**	**640**	**670**	**250**	**600**	**460**	**640**	**690**	**370**
Xylenes	5	µg/L	**120**	**1200**	**1100**	**815**	**390**	**330**	**330**	**270**	**350**	**250**	**430**	**440**	**210**

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-11	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D
		Sample Name	130054-MW-11-12052023	MW-21D_06212011	MW-Y	MW-21D_09162011	MW-Y	MW-21D_04022012	MW-Y	MW-21D	MW-Y	MW-21D	MW-21D-20130423
		Parent Sample ID			MW-21D_06212011		MW-21D_09162011		MW-21D_04022012		MW-21D_07162012		
		Sample Date	12/5/2023	6/21/2011	6/21/2011	9/16/2011	9/16/2011	4/2/2012	4/2/2012	7/16/2012	7/16/2012	11/1/2012	4/23/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**											
VOCs (SW8260)													
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	0.38 J	0.45 J	0.26 J	0.25 J	0.42 J	< 10 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 50 U	< 50 U	**7.4**	**8.2**	4.1	4	2.3	2.4	3	1.3 J
1,2,3-Trichloropropane	0.04	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	0.51 J	0.21 J	0.23 J	**0.87 J**	< 10 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	--	--
Acetone	50	µg/L	4.6 J	< 100 U	< 100 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	**100 JR**
Benzene	1	µg/L	**9.7**	< 50 U	< 50 U	**1.7 J**	**1.8 J**	**1.2**	**1.1**	0.66 J	0.66 J	**2.4**	**2.2 J**
Carbon Disulfide	60	µg/L	< 2 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	0.29 J	0.29 J	< 1 U	< 10 U
Chlorobenzene	5	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Chloroform	7	µg/L	< 1 U	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Cis-1,2-Dichloroethylene	5	µg/L	**74.7**	**1100**	**1000**	**2700**	**2700**	**1900**	**1700**	**1500**	**1500**	**1900**	**2400**
Cyclohexane	NSL	µg/L	< 5 U	--	--	--	--	--	--	--	--	--	--
Cymene	NSL	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Ethylbenzene	5	µg/L	**30.7**	< 50 U	< 50 U	< 5 U	< 5 U	0.22 J	0.23 J	0.11 J	< 1 U	0.18 J	< 10 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	< 100 U	< 100 U	< 10 U	< 10 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 UJ
Isopropylbenzene (Cumene)	5	µg/L	**13.1**	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	0.22 J	0.15 J	0.15 J	0.12 J	< 10 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	59.2	--	--	--	--	--	--	--	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 100 U	< 100 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	3.5 J	< 5 U	< 50 R
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 100 U	< 100 U	< 10 U	< 10 U	< 5 U	< 5 U	< 5 U	< 5 U	< 5 U	< 50 U
Methylcyclohexane	NSL	µg/L	1 J	--	--	--	--	--	--	--	--	--	--
Methylene Chloride	5	µg/L	< 2 U	**19 J**	**20 J**	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
M-P-Xylene	NSL	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 20 U
Naphthalene	10	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
N-Butylbenzene	5	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
N-Propylbenzene	NSL	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	0.1 J	< 1 U	< 10 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	**68.3**	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 10 U
Sec-Butylbenzene	5	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	0.42 J	0.45 J	0.26 J	0.28 J	0.4 J	< 10 U
T-Butylbenzene	5	µg/L	--	< 50 U	< 50 U	< 5 U	< 5 U	0.19 J	0.2 J	0.18 J	0.18 J	0.21 J	< 10 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	8.8	< 50 U	< 50 U	0.7 J	0.79 J	0.43 J	0.46 J	0.34 J	0.35 J	1.1	< 10 U
Tetrachloroethylene (PCE)	5	µg/L	< 1 U	**9.2 J**	**9.9 J**	**6.7**	**13**	2.7	2.7	**8**	**8.4**	3	< 10 U
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--
Toluene	5	µg/L	**15.4**	< 50 U	< 50 U	< 5 U	< 5 U	< 1 U	0.16 J	< 1 U	< 1 U	< 1 U	< 10 U
Trans-1,2-Dichloroethene	5	µg/L	1.8	< 50 U	< 50 U	**21**	**22**	**24**	**25**	**27**	**25**	**17**	**19**
Trichloroethylene (TCE)	5	µg/L	< 1 U	< 50 U	< 50 U	**11**	**15**	4.2	4.3	**5.9**	**6.4**	2.4	< 10 U
Vinyl Chloride	2	µg/L	**41.4**	**70**	**55**	**74**	**71**	**24**	**24**	**17**	**18**	**22**	**27**
Xylenes	5	µg/L	**128**	< 50 U	< 50 U	< 5 U	< 5 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 30 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-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21D	MW-21S	MW-21S
		Sample Name	MW-Y	MW-21D	MW-21D-101413	MW-21D-112113	MW-21D 011414	MW-21D	MW-21D	MW-21D-06082022	MW-21D-09232022	130054-MW-21D-12052023	MW-21S_06212011	MW-21S_09162011
		Parent Sample ID	MW-21D-20130423											
		Sample Date	4/23/2013	8/27/2013	10/14/2013	11/21/2013	1/14/2014	11/7/2017	12/4/2019	6/8/2022	9/23/2022	12/5/2023	6/21/2011	9/16/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U	< 0.17 U	< 10 U	< 200 U	< 5 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.8 U	< 0.18 U	< 10 U	< 200 U	< 5 U
1,1-Dichloroethane	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.4 U	< 0.14 U	< 10 U	< 200 U	< 5 U
1,1-Dichloroethene	5	µg/L	1.7 J	< 50 U	< 130 U	< 50 U	< 50 U	2.7 J	< 1 U	< 1.4 U	< 0.14 U	**6.9 J**	< 200 U	**19**
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	--	--	--	--	--	--	< 2.8 U	< 0.28 U	--	< 200 U	< 5 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	--	--	--	--	--	--	< 2 U	0.24 J	--	36 J	< 5 U
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.2 U	< 0.12 U	< 10 U	< 200 U	0.6 J
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 3.1 U	< 0.31 U	< 10 U	< 200 U	< 5 U
1,2-Dichloropropane	1	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.8 U	< 0.18 U	< 10 U	< 200 U	< 5 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	--	--	--	--	--	--	< 1.1 U	< 0.11 U	--	< 200 U	< 5 U
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.2 U	0.16 J	< 10 U	< 200 U	< 5 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.3 U	< 0.13 U	< 10 U	< 200 U	0.88 J
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	< 210 U	< 21 U	--	--	--
Acetone	50	µg/L	**51 JR**	< 500 U	< 1300 U	< 500 U	< 500 U	< 250 U	< 5 U	25 J	4.2 J	< 100 U	< 400 U	1.2 J
Benzene	1	µg/L	**2 J**	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	0.23 J	< 2 U	< 0.2 U	< 5 U	< 200 U	< 5 U
Carbon Disulfide	60	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 14 U	< 1.4 U	< 20 U	< 200 U	< 5 U
Chlorobenzene	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.1 U	< 0.11 U	< 10 U	< 200 U	< 5 U
Chloroform	7	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U	< 0.17 U	< 10 U	< 200 U	< 5 U
Cis-1,2-Dichloroethylene	5	µg/L	**2400**	**3400**	**2200**	**3500**	**3700**	**1800**	**47**	**1200**	**9.1**	**4420**	**4100**	**14000**
Cyclohexane	NSL	µg/L	--	42 J	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	--	--	< 50 U	--	--
Cymene	NSL	µg/L	< 5 U	--	--	--	--	--	--	< 0.97 U	< 0.097 U	--	< 200 U	< 5 U
Ethylbenzene	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 2.1 U	< 0.21 U	< 10 U	< 200 U	< 5 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 5 UJ	--	--	--	--	--	--	--	--	--	< 400 U	< 10 U
Isopropylbenzene (Cumene)	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.3 U	< 0.13 U	< 10 U	< 200 U	1.8 J
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	< 1.1 U	< 0.11 U	< 10 U	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 25 R	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 5 U	17 J	< 1.6 U	< 100 U	< 400 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 25 U	< 250 U	< 1300 U	< 250 U	< 250 U	< 100 U	< 5 U	< 13 U	< 1.3 U	< 50 U	< 400 U	< 10 U
Methylcyclohexane	NSL	µg/L	--	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	< 2.4 U	< 0.24 U	< 50 U	--	--
Methylene Chloride	5	µg/L	< 5 U	**43 J**	< 130 U	< 50 U	< 50 U	< 50 U	< 1 U	< 2.3 U	< 0.23 U	< 20 U	**88 J**	< 5 U
M-P-Xylene	NSL	µg/L	< 10 U	--	--	--	--	--	--	< 4.6 U	< 0.46 U	--	< 200 U	< 5 U
Naphthalene	10	µg/L	< 5 U	--	--	--	--	--	--	< 2.4 U	< 0.24 U	--	**34 J**	< 5 U
N-Butylbenzene	5	µg/L	< 5 U	--	--	--	--	--	--	< 1.5 U	< 0.15 U	--	< 200 U	< 5 U
N-Propylbenzene	NSL	µg/L	< 5 U	--	--	--	--	--	--	< 0.86 U	< 0.086 U	--	< 200 U	< 5 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	--	--	--	--	--	--	< 2.3 U	< 0.23 U	< 10 U	< 200 U	2.9 J
Sec-Butylbenzene	5	µg/L	< 5 U	--	--	--	--	--	--	< 1.1 U	< 0.11 U	--	< 200 U	1.8 J
T-Butylbenzene	5	µg/L	< 5 U	--	--	--	--	--	--	< 1.3 U	< 0.13 U	--	< 200 U	0.89 J
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	< 47 U	< 4.7 U	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	1.1 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.7 U	< 0.17 U	< 10 U	< 200 U	< 5 U
Tetrachloroethylene (PCE)	5	µg/L	2.6 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	0.54 J	< 1.9 U	1.8	< 10 U	**970**	**7800**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	< 4.9 U	< 0.49 U	--	--	--
Toluene	5	µg/L	< 5 U	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 2.2 U	0.29 J	< 10 U	< 200 U	1.5 J
Trans-1,2-Dichloroethene	5	µg/L	**24**	**81**	**35 J**	< 50 U	< 50 U	**28**	1.2	**13**	1	**71.2**	< 200 U	< 1300 U
Trichloroethylene (TCE)	5	µg/L	1.9 J	< 50 U	< 130 U	< 50 U	< 50 U	< 10 U	< 1 U	< 1.9 U	0.67 J	< 10 U	**1200**	**4400**
Vinyl Chloride	2	µg/L	**28**	**98**	**57 J**	**130**	**52**	**50**	**6.7**	**47**	1.5 J	**279**	**210**	**460 J**
Xylenes	5	µg/L	< 15 U	< 100 U	< 250 U	< 100 U	< 100 U	< 30 U	< 2 U	--	--	< 10 U	< 200 U	2.9 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 = 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-21S	MW-21S	MW-21S	MW-21S	MW-21S	MW-21S
		Sample Name	MW-21S_04022012	MW-21S_07182012	MW-21S_11022012	MW-21S-20130423	MW-21S	MW-21S-101413	MW-21S-112113	MW-21S 011414	MW-21S	MW-21S06072022	MW-21S-09232022	130054-MW-21S-12052023
		Parent Sample ID												
		Sample Date	4/2/2012	7/18/2012	11/2/2012	4/23/2013	8/27/2013	10/14/2013	11/21/2013	1/14/2014	11/3/2017	6/7/2022	9/23/2022	12/5/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.17 U	< 0.17 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 5 U	< 1 U	< 1 U	**1.6 J**	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.18 U	< 0.18 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 5 U	0.31 J	0.27 J	0.35 J	0.65 J	< 50 U	< 20 U	< 20 U	< 1 U	< 0.14 U	< 0.14 U	< 1 U
1,1-Dichloroethene	5	µg/L	2.9 J	2.1	5	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.14 U	< 0.14 U	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.28 U	< 0.28 U	--
1,2,4-Trimethylbenzene	NSL	µg/L	< 5 U	0.88 J	< 1 U	< 2 U	--	--	--	--	--	< 0.2 U	< 0.2 U	--
1,2-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.12 U	< 0.12 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.31 U	< 0.31 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.18 U	< 0.18 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 5 U	0.29 J	< 1 U	< 2 U	--	--	--	--	--	< 0.11 U	< 0.11 U	--
1,3-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.12 U	< 0.12 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.13 U	< 0.13 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	--	--	< 21 U	< 21 U	--
Acetone	50	µg/L	< 25 U	< 5 U	< 5 U	25 JR	20	< 500 U	< 200 U	< 200 U	< 25 U	< 2 U	< 2 U	< 10 U
Benzene	1	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.2 U	< 0.2 U	< 0.5 U
Carbon Disulfide	60	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 1.4 U	< 1.4 U	< 2 U
Chlorobenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.11 U	< 0.11 U	< 1 U
Chloroform	7	µg/L	< 5 U	< 1 U	< 1 U	0.94 J	0.89 J	< 50 U	< 20 U	< 20 U	0.39 J	< 0.17 U	< 0.17 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**4500**	**510**	**2400**	**32**	< 1 U	**1100**	**1400**	**3500**	**57**	**5.2**	**41**	**8.2**
Cyclohexane	NSL	µg/L	--	--	--	--	1.1	< 50 U	< 20 U	< 20 U	< 5 U	--	--	< 5 U
Cymene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.097 U	< 0.097 U	--
Ethylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.21 U	< 0.21 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 2 UJ	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	0.76 J	0.19 J	0.099 J	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.13 U	< 0.13 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 0.11 U	< 0.11 U	< 1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 25 U	< 5 U	< 5 U	< 10 R	2 J	< 500 U	< 200 U	< 200 U	< 50 U	< 1.6 U	< 1.6 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 25 U	< 5 U	< 5 U	< 10 U	< 5 U	< 500 U	< 100 U	< 100 U	< 10 U	< 1.3 U	< 1.3 U	< 5 U
Methylcyclohexane	NSL	µg/L	--	--	--	--	< 1 U	< 50 U	< 20 U	< 20 U	< 5 U	< 0.24 U	< 0.24 U	< 5 U
Methylene Chloride	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 5 U	< 0.23 U	< 0.23 U	< 2 U
M-P-Xylene	NSL	µg/L	< 10 U	< 2 U	< 2 U	< 4 U	--	--	--	--	--	< 0.46 U	< 0.46 U	--
Naphthalene	10	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.24 U	< 0.24 U	--
N-Butylbenzene	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.15 U	< 0.15 U	--
N-Propylbenzene	NSL	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.086 U	< 0.086 U	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	--	--	--	--	--	< 0.23 U	< 0.23 U	< 1 U
Sec-Butylbenzene	5	µg/L	0.96 J	0.63 J	0.28 J	< 2 U	--	--	--	--	--	< 0.11 U	< 0.11 U	--
T-Butylbenzene	5	µg/L	1.3 J	1.4	0.76 J	0.62 J	--	--	--	--	--	< 0.13 U	< 0.13 U	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 4.7 U	< 4.7 U	--
Tert-Butyl Methyl Ether	10	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.17 U	< 0.17 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	**870**	**150**	**400**	**510**	**11**	**380**	**290**	**630**	**58**	4.9	**36**	**6.2**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	--	< 0.49 U	< 0.49 U	--
Toluene	5	µg/L	< 5 U	< 1 U	< 1 U	< 2 U	< 1 U	< 50 U	< 20 U	< 20 U	< 1 U	< 0.22 U	< 0.22 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	**35**	4.6	**14**	0.39 J	< 1 U	**28 J**	< 20 U	**27**	0.32 J	< 0.17 U	0.3 J	< 1 U
Trichloroethylene (TCE)	5	µg/L	**910**	**65**	**190**	**19**	< 1 U	**210**	**150**	**460**	**22**	1.6	**5.5**	1.6
Vinyl Chloride	2	µg/L	**310**	**21**	**21**	< 2 U	< 1 U	< 50 U	**32**	**82**	**8.3**	< 0.21 U	**2.2**	< 1 U
Xylenes	5	µg/L	< 15 U	< 3 U	< 3 U	< 6 U	< 2 U	< 100 U	< 40 U	< 40 U	< 3 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-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RS
		Sample Name	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	MW-22RD-09262022	MW-Y-09262022	130054-MW-22RD-12052023	MW-22RS
		Parent Sample ID										MW-22RD-09262022		
		Sample Date	8/27/2013	10/14/2013	11/21/2013	1/14/2014	7/9/2014	11/3/2017	12/5/2019	6/8/2022	9/26/2022	9/26/2022	12/5/2023	8/27/2013
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1 U	< 40 U
1,1,2-Trichloroethane	1	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1 U	< 40 U
1,1-Dichloroethane	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.4 U	< 1.4 U	< 1.4 U	< 1 U	< 40 U
1,1-Dichloroethene	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.4 U	1.8 J	2.2 J	1.3	< 40 U
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	--	--	--	< 2.8 U	< 2.8 U	< 2.8 U	--	--
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	--	--	--	< 2 U	< 2 U	< 2 U	--	--
1,2-Dichlorobenzene	3	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1 U	< 40 U
1,2-Dichloroethane	0.6	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 3.1 U	< 3.1 U	< 3.1 U	< 1 U	< 40 U
1,2-Dichloropropane	1	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.8 U	< 1.8 U	< 1.8 U	< 1 U	< 40 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	--	--
1,3-Dichlorobenzene	3	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.2 U	< 1.2 U	< 1.2 U	< 1 U	< 40 U
1,4-Dichlorobenzene	3	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1 U	< 40 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	--	< 210 U	< 210 U	< 210 U	--	--
Acetone	50	µg/L	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 500 U	< 25 U	< 20 U	< 20 U	< 20 U	< 10 U	< 400 U
Benzene	1	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2 U	< 2 U	< 2 U	0.82	< 40 U
Carbon Disulfide	60	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 14 U	< 14 U	< 14 U	< 2 U	< 40 U
Chlorobenzene	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	< 40 U
Chloroform	7	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1 U	< 40 U
Cis-1,2-Dichloroethylene	5	µg/L	**4800**	**2800**	**3200**	**3600**	**3200**	**2200**	**1300**	**1300**	**1200**	**1200**	**713**	**2400**
Cyclohexane	NSL	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	4.7 J	< 5 U	--	--	--	2.2 J	< 40 U
Cymene	NSL	µg/L	--	--	--	--	--	--	--	< 0.97 U	< 0.97 U	< 0.97 U	--	--
Ethylbenzene	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2.1 U	< 2.1 U	< 2.1 U	< 1 U	< 40 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1 U	< 40 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	< 1 U	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 500 U	< 1300 U	< 500 U	< 500 U	< 500 U	< 1000 U	< 25 U	< 16 U	< 16 U	< 16 U	< 10 U	< 400 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 250 U	< 1300 U	< 250 U	< 250 U	< 250 U	< 200 U	< 25 U	< 13 U	< 13 U	< 13 U	< 5 U	< 200 U
Methylcyclohexane	NSL	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 100 U	< 5 U	< 2.4 U	< 2.4 U	< 2.4 U	0.9 J	< 40 U
Methylene Chloride	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	**33 J**	< 5 U	< 2.3 U	< 2.3 U	< 2.3 U	< 2 U	**21 J**
M-P-Xylene	NSL	µg/L	--	--	--	--	--	--	--	< 4.6 U	< 4.6 U	< 4.6 U	--	--
Naphthalene	10	µg/L	--	--	--	--	--	--	--	< 2.4 U	< 2.4 U	< 2.4 U	--	--
N-Butylbenzene	5	µg/L	--	--	--	--	--	--	--	< 1.5 U	< 1.5 U	< 1.5 U	--	--
N-Propylbenzene	NSL	µg/L	--	--	--	--	--	--	--	< 0.86 U	< 0.86 U	< 0.86 U	--	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	--	--	--	--	--	< 2.3 U	< 2.3 U	< 2.3 U	< 1 U	--
Sec-Butylbenzene	5	µg/L	--	--	--	--	--	--	--	< 1.1 U	< 1.1 U	< 1.1 U	--	--
T-Butylbenzene	5	µg/L	--	--	--	--	--	--	--	< 1.3 U	< 1.3 U	< 1.3 U	--	--
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	< 47 U	< 47 U	< 47 U	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 1.7 U	< 1.7 U	< 1.7 U	< 1 U	< 40 U
Tetrachloroethylene (PCE)	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	**39**	< 1.9 U	< 1.9 U	< 1.9 U	< 1 U	**74**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	< 4.9 U	< 4.9 U	< 4.9 U	--	--
Toluene	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	< 5 U	< 2.2 U	< 2.2 U	< 2.2 U	< 1 U	< 40 U
Trans-1,2-Dichloroethene	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	**33**	**7**	**8.4 J**	**9.7 J**	< 1.7 U	**8.9**	**36 J**
Trichloroethylene (TCE)	5	µg/L	< 50 U	< 130 U	< 50 U	< 50 U	< 50 U	< 20 U	**65**	< 1.9 U	< 1.9 U	< 1.9 U	< 1 U	**38 J**
Vinyl Chloride	2	µg/L	< 50 U	**56 J**	**52**	< 50 U	**60**	**66**	**47**	**92**	**210**	**220**	**195**	< 40 U
Xylenes	5	µg/L	< 100 U	< 250 U	< 100 U	< 100 U	< 100 U	< 60 U	< 10 U	--	--	--	< 1 U	< 80 U

Notes:
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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-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-22RS	MW-23D	MW-23D	MW-23D
		Sample Name	MW-22RS-101413	MW-22RS-112113	MW-22(R)S 011614	MW-22RS_070914	MW-22RS	MW-22RS-06082022	MW-22RS-09232022	130054-MW-22RS-12052023	MW-23D_06202011	MW-23D_09162011	MW-23D_03292012
		Parent Sample ID											
		Sample Date	10/14/2013	11/21/2013	1/16/2014	7/9/2014	11/2/2017	6/8/2022	9/23/2022	12/5/2023	6/20/2011	9/16/2011	3/29/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**											
VOCs (SW8260)													
1,1,1-Trichloroethane (TCA)	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U	< 1 U	< 100 U	< 5 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.8 U	< 1.8 U	< 1 U	< 100 U	< 5 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	0.36 J	< 1.4 U	< 1.4 U	< 1 U	< 100 U	< 5 U	0.53 J
1,1-Dichloroethene	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	0.32 J	< 1.4 U	< 1.4 U	< 1 U	< 100 U	**7.6**	0.55 J
1,2,3-Trichloropropane	0.04	µg/L	--	--	--	--	--	< 2.8 U	< 2.8 U	--	< 100 U	< 5 U	< 1 U
1,2,4-Trimethylbenzene	NSL	µg/L	--	--	--	--	--	< 2 U	< 2 U	--	< 100 U	< 5 U	< 1 U
1,2-Dichlorobenzene	3	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 100 U	< 5 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	0.25 J	< 3.1 U	< 3.1 U	< 1 U	< 100 U	< 5 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.8 U	< 1.8 U	< 1 U	< 100 U	**1.9 J**	0.59 J
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	--	--	--	--	< 1.1 U	< 1.1 U	--	< 100 U	< 5 U	< 1 U
1,3-Dichlorobenzene	3	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.2 U	< 1.2 U	< 1 U	< 100 U	< 5 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.3 U	< 1.3 U	< 1 U	< 100 U	< 5 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	< 210 U	< 210 U	--	--	--	--
Acetone	50	µg/L	< 830 U	< 400 U	< 100 U	< 100 U	< 25 U	< 20 U	< 20 U	< 10 U	39 J	< 10 U	< 5 U
Benzene	1	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	0.47 J	< 2 U	< 2 U	< 0.5 U	< 100 U	**1.6 J**	0.65 J
Carbon Disulfide	60	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 14 U	< 14 U	< 2 U	< 100 U	< 5 U	< 1 U
Chlorobenzene	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.1 U	< 1.1 U	< 1 U	< 100 U	< 5 U	< 1 U
Chloroform	7	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U	< 1 U	< 100 U	< 5 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**1800**	**2100**	**740**	**1900**	**260**	**1000**	**800**	**60.4**	**3600**	**2300**	**200**
Cyclohexane	NSL	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 5 U	--	--	< 5 U	--	--	--
Cymene	NSL	µg/L	--	--	--	--	--	< 0.97 U	< 0.97 U	--	< 100 U	< 5 U	< 1 U
Ethylbenzene	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 2.1 U	< 2.1 U	< 1 U	< 100 U	< 5 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	< 200 U	< 10 U	< 1 U
Isopropylbenzene (Cumene)	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.3 U	< 1.3 U	< 1 U	< 100 U	< 5 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	< 1.1 U	< 1.1 U	< 1 U	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 830 U	< 400 U	< 100 U	< 100 U	< 50 U	< 16 U	< 16 U	< 10 U	< 200 U	< 10 U	< 5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 830 U	< 200 U	< 50 U	< 50 U	< 10 U	< 13 U	< 13 U	< 5 U	< 200 U	< 10 U	< 5 U
Methylcyclohexane	NSL	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	0.29 J	< 2.4 U	< 2.4 U	< 5 U	--	--	--
Methylene Chloride	5	µg/L	< 83 U	< 40 U	4.8 J	< 10 U	< 5 U	< 2.3 U	< 2.3 U	< 2 U	**24 U**	< 5 U	< 1 U
M-P-Xylene	NSL	µg/L	--	--	--	--	--	< 4.6 U	< 4.6 U	--	< 100 U	< 5 U	< 2 U
Naphthalene	10	µg/L	--	--	--	--	--	< 2.4 U	< 2.4 U	--	< 100 U	< 5 U	< 1 U
N-Butylbenzene	5	µg/L	--	--	--	--	--	< 1.5 U	< 1.5 U	--	< 100 U	< 5 U	< 1 U
N-Propylbenzene	NSL	µg/L	--	--	--	--	--	< 0.86 U	< 0.86 U	--	< 100 U	< 5 U	< 1 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	--	--	--	--	--	< 2.3 U	< 2.3 U	< 1 U	< 100 U	< 5 U	< 1 U
Sec-Butylbenzene	5	µg/L	--	--	--	--	--	< 1.1 U	< 1.1 U	--	< 100 U	2.3 J	0.22 J
T-Butylbenzene	5	µg/L	--	--	--	--	--	< 1.3 U	< 1.3 U	--	< 100 U	3.2 J	0.28 J
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	< 47 U	< 47 U	--	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 1.7 U	< 1.7 U	< 1 U	6.3 J	6.4	0.94 J
Tetrachloroethylene (PCE)	5	µg/L	< 83 U	< 40 U	**14**	< 10 U	**17**	< 1.9 U	< 1.9 U	3.9	**1000**	**460**	**62**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	< 4.9 U	< 4.9 U	--	--	--	--
Toluene	5	µg/L	< 83 U	< 40 U	< 10 U	< 10 U	< 1 U	< 2.2 U	< 2.2 U	< 1 U	< 100 U	< 5 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	< 83 U	< 40 U	< 10 U	**16**	**5.5**	**18**	**15**	3.2	**20 J**	**14**	1.7
Trichloroethylene (TCE)	5	µg/L	< 83 U	< 40 U	**8.9 J**	< 10 U	**23**	< 1.9 U	< 1.9 U	1.5	**700**	**270**	**29**
Vinyl Chloride	2	µg/L	**20 J**	< 40 U	< 10 U	**24**	**61**	**400**	**400**	**29.3**	**530**	**510**	**56**
Xylenes	5	µg/L	< 170 U	< 80 U	< 20 U	< 20 U	< 3 U	--	--	< 1 U	< 100 U	< 5 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-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23D	MW-23S	MW-23S	MW-23S
		Sample Name	MW-23D_10312012	MW-23D-20130425	MW-23D-101413	MW-23D-112113	MW-23D 011514	MW-23D_071014	MW-23D	MW-23D	MW-23D-06102022	MW-23S_06202011	MW-23S_09162011	MW-23S_03292012
		Parent Sample ID												
		Sample Date	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	6/20/2011	9/16/2011	3/29/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**												
VOCs (SW8260)														
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	3.5	< 40 U	**8.4**	< 8 U	< 8 U	< 2 U	< 10 U	< 0.84 U	< 100 U	< 5 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.91 U	< 100 U	< 5 U	< 1 U
1,1-Dichloroethane	5	µg/L	0.54 J	1.2	**9.2 J**	4.1 J	3.7 J	< 8 U	< 2 U	< 10 U	< 0.71 U	< 100 U	< 5 U	0.44 J
1,1-Dichloroethene	5	µg/L	4.7	0.94 J	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	2.9 J	< 100 U	5	1.7
1,2,3-Trichloropropane	0.04	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 1.4 U	< 100 U	< 5 U	< 1 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.99 U	< 100 U	< 5 U	< 1 U
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.61 U	< 100 U	< 5 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 UJ	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 1.5 U	< 100 U	< 5 U	< 1 U
1,2-Dichloropropane	1	µg/L	0.7 J	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	0.78 J	< 10 U	< 0.91 U	< 100 U	< 5 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.57 U	< 100 U	< 5 U	< 1 U
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.59 U	< 100 U	< 5 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.65 U	< 100 U	< 5 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	**1.5**	--	< 100 U	--	--	--
Acetone	50	µg/L	< 5 U	--	< 400 U	< 80 U	< 80 U	< 80 U	< 10 U	< 250 U	< 10 U	33 J	2.8 J	< 5 U
Benzene	1	µg/L	0.76 J	0.36 J	< 40 U	< 8 U	< 8 U	< 8 U	0.25 J	< 10 U	< 1 U	< 100 U	< 5 U	0.11 J
Carbon Disulfide	60	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 7.2 U	< 100 U	< 5 U	< 1 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.53 U	< 100 U	< 5 U	< 1 U
Chloroform	7	µg/L	0.54 J	0.44 J	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.84 U	< 100 U	< 5 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**2800**	**1400**	**1100**	**380**	**790**	**560**	**430**	**910**	**580**	**3000**	**2900**	**3100**
Cyclohexane	NSL	µg/L	--	--	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 50 U	--	--	--	--
Cymene	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.49 U	< 100 U	< 5 U	< 1 U
Ethylbenzene	5	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 1.1 U	< 100 U	< 5 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	< 1 U	< 1 UJ	--	--	--	--	--	--	--	< 200 U	< 10 U	< 1 U
Isopropylbenzene (Cumene)	5	µg/L	0.36 J	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 0.64 U	< 100 U	< 5 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	< 0.54 U	--	--	--
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 5 U	--	< 400 U	< 80 U	< 80 U	< 80 U	< 10 U	< 500 U	< 8.1 U	< 200 U	< 10 U	< 5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 400 U	< 40 U	< 40 U	< 40 U	< 10 U	< 100 U	< 6.4 U	< 200 U	< 10 U	< 5 U
Methylcyclohexane	NSL	µg/L	--	--	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 50 U	< 1.2 U	--	--	--
Methylene Chloride	5	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	**11 J**	< 1.2 U	**21 U**	< 5 U	< 1 U
M-P-Xylene	NSL	µg/L	< 2 U	< 2 U	--	--	--	--	< 2 U	--	< 2.3 U	< 100 U	< 5 U	< 2 U
Naphthalene	10	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 1.2 U	< 100 U	< 5 U	< 1 U
N-Butylbenzene	5	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.76 U	< 100 U	< 5 U	< 1 U
N-Propylbenzene	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.43 U	< 100 U	< 5 U	< 1 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	0.21 J	< 1 U	--	--	--	--	< 2 U	--	< 1.1 U	< 100 U	< 5 U	< 1 U
Sec-Butylbenzene	5	µg/L	1.4	< 1 U	--	--	--	--	--	--	< 0.55 U	< 100 U	< 5 U	< 1 U
T-Butylbenzene	5	µg/L	1.5	< 1 U	--	--	--	--	--	--	< 0.64 U	< 100 U	< 5 U	< 1 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	< 23 U	--	--	--
Tert-Butyl Methyl Ether	10	µg/L	4.3	1.3	< 40 U	3.6 J	3 J	1.6 J	0.46 J	3.3 J	< 0.86 U	< 100 U	0.37 J	0.18 J
Tetrachloroethylene (PCE)	5	µg/L	**620**	**420**	**270**	**140**	**170**	**160**	**200**	**480**	**130**	**1600**	**850**	**1300**
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	< 2.5 U	--	--	--
Toluene	5	µg/L	< 1 U	< 1 U	< 40 U	< 8 U	< 8 U	< 8 U	< 2 U	< 10 U	< 1.1 U	< 100 U	< 5 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	**20**	**14**	< 40 U	< 8 U	< 8 U	< 8 U	**7.5**	**5.1 J**	4 J	**22 J**	**29**	**18**
Trichloroethylene (TCE)	5	µg/L	**430**	**350**	**120**	**61**	**120**	**150**	**88**	**230**	**110**	**600**	**400**	**600**
Vinyl Chloride	2	µg/L	**370**	**18**	**22 J**	**47**	**110**	**11**	**2.4**	**11**	**12**	**26 J**	**140 J**	**21**
Xylenes	5	µg/L	< 3 U	< 3 U	< 80 U	< 16 U	< 16 U	< 16 U	--	< 30 U	--	< 100 U	< 5 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-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-23S	MW-25RD	MW-25RD
		Sample Name	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	MW-25RD06072022	MW-25RD-09232022
		Parent Sample ID											
		Sample Date	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	6/7/2022	9/23/2022
Analyte	**NYSDEC AWQS[1]**	**Unit**											
VOCs (SW8260)													
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U	< 0.68 U	< 0.84 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.37 U	< 0.73 U	< 0.91 U
1,1-Dichloroethane	5	µg/L	0.61 J	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.28 U	< 0.57 U	< 0.71 U
1,1-Dichloroethene	5	µg/L	0.76 J	3.5	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	0.79 J	< 0.28 U	< 0.57 U	0.8 J
1,2,3-Trichloropropane	0.04	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.56 U	< 1.1 U	< 1.4 U
1,2,4-Trimethylbenzene	NSL	µg/L	< 1 U	0.16 J	--	--	--	--	--	--	< 0.4 U	< 0.8 U	< 0.99 U
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.24 U	< 0.49 U	< 0.61 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 1 UJ	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.62 U	< 1.2 U	< 1.5 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.36 U	< 0.72 U	< 0.91 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.23 U	< 0.45 U	< 0.57 U
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.24 U	< 0.47 U	< 0.59 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.26 U	< 0.52 U	< 0.65 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	--	--	--	--	--	**0.39 J**	--	< 41 U	< 82 U	< 100 U
Acetone	50	µg/L	< 5 U	--	< 1300 U	< 800 U	< 400 U	< 100 U	< 10 U	< 25 U	< 4.1 U	9.1 J	< 10 U
Benzene	1	µg/L	0.14 J	0.64 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.4 U	< 0.8 U	< 1 U
Carbon Disulfide	60	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 2.9 U	< 5.8 U	< 7.2 U
Chlorobenzene	5	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.21 U	< 0.42 U	< 0.53 U
Chloroform	7	µg/L	0.19 J	0.31 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U	< 0.67 U	< 0.84 U
Cis-1,2-Dichloroethylene	5	µg/L	**1800**	**3400**	**2800**	**4800**	**1900**	**610**	**520**	**380**	**310**	**490**	**530**
Cyclohexane	NSL	µg/L	--	--	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	--	--	--
Cymene	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.19 U	< 0.39 U	< 0.49 U
Ethylbenzene	5	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.43 U	< 0.86 U	< 1.1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	0.58 J	< 1 UJ	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	0.12 J	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.26 U	< 0.51 U	< 0.64 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	--	--	--	--	--	--	--	--	< 0.22 U	< 0.43 U	< 0.54 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 5 U	--	< 1300 U	< 800 U	< 400 U	< 100 U	< 10 U	< 50 U	< 3.2 U	< 6.5 U	14 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 5 U	< 1300 U	< 400 U	< 200 U	< 50 U	< 10 U	< 10 U	< 2.6 U	< 5.1 U	< 6.4 U
Methylcyclohexane	NSL	µg/L	--	--	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	< 0.49 U	< 0.98 U	< 1.2 U
Methylene Chloride	5	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 5 U	< 0.47 U	< 0.94 U	< 1.2 U
M-P-Xylene	NSL	µg/L	< 2 U	< 2 U	--	--	--	--	< 2 U	--	< 0.92 U	< 1.8 U	< 2.3 U
Naphthalene	10	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.49 U	< 0.97 U	< 1.2 U
N-Butylbenzene	5	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.3 U	< 0.61 U	< 0.76 U
N-Propylbenzene	NSL	µg/L	< 1 U	< 1 U	--	--	--	--	--	--	< 0.17 U	< 0.34 U	< 0.43 U
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	< 1 U	--	--	--	--	< 2 U	--	< 0.46 U	< 0.92 U	< 1.1 U
Sec-Butylbenzene	5	µg/L	< 1 U	0.46 J	--	--	--	--	--	--	< 0.22 U	< 0.44 U	< 0.55 U
T-Butylbenzene	5	µg/L	< 1 U	0.75 J	--	--	--	--	--	--	< 0.26 U	< 0.52 U	< 0.64 U
Tert-Butyl Alcohol	NSL	µg/L	--	--	--	--	--	--	--	--	< 9.4 U	< 19 U	< 23 U
Tert-Butyl Methyl Ether	10	µg/L	0.18 J	2.1	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.34 U	< 0.69 U	< 0.86 U
Tetrachloroethylene (PCE)	5	µg/L	**840**	**880**	**700**	**1000**	**590**	**320**	**310**	**320**	**170**	**11**	3 J
Tetrahydrofuran	NSL	µg/L	--	--	--	--	--	--	--	--	5.8 J	< 2 U	< 2.5 U
Toluene	5	µg/L	< 1 U	< 1 U	< 130 U	< 80 U	< 40 U	< 10 U	< 2 U	< 1 U	< 0.45 U	< 0.9 U	< 1.1 U
Trans-1,2-Dichloroethene	5	µg/L	**30**	**35**	< 130 U	< 80 U	< 40 U	< 10 U	**6.4**	2.5	1.9 J	3.1 J	< 0.84 U
Trichloroethylene (TCE)	5	µg/L	**440**	**580**	**550**	**820**	**420**	**190**	**130**	**140**	**100**	**17**	2 J
Vinyl Chloride	2	µg/L	**6.9**	**150**	**140**	**210**	< 40 U	< 10 U	< 2 U	**3.6**	**2.7 J**	**16**	**15**
Xylenes	5	µg/L	< 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-25RS	MW-25RS	MW-25RS	MW-30D	MW-30D	MW-30D	MW-30S	MW-30S
		Sample Name	130054-MW-25RD-12052023	MW-25RS06072022	MW-25RS-09232022	130054-MW-25RS-12052023	MW-30D06072022	MW-30D-09222022	130054-MW-30D-12052023	MW-30S06072022	130054-MW-30S-12052023
		Parent Sample ID									
		Sample Date	12/5/2023	6/7/2022	9/23/2022	12/5/2023	6/7/2022	9/22/2022	12/5/2023	6/7/2022	12/5/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**									
VOCs (SW8260)											
1,1,1-Trichloroethane (TCA)	5	µg/L	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1.7 U	< 0.84 U	< 1 U	< 0.68 U	< 1 U
1,1,2-Trichloroethane	1	µg/L	< 1 U	< 0.37 U	< 0.18 U	< 1 U	< 1.8 U	< 0.91 U	< 1 U	< 0.73 U	< 1 U
1,1-Dichloroethane	5	µg/L	< 1 U	< 0.28 U	< 0.14 U	< 1 U	< 1.4 U	< 0.71 U	< 1 U	< 0.57 U	< 1 U
1,1-Dichloroethene	5	µg/L	< 1 U	< 0.28 U	< 0.14 U	< 1 U	< 1.4 U	< 0.71 U	< 1 U	< 0.57 U	< 1 U
1,2,3-Trichloropropane	0.04	µg/L	--	< 0.56 U	< 0.28 U	--	< 2.8 U	< 1.4 U	--	< 1.1 U	--
1,2,4-Trimethylbenzene	NSL	µg/L	--	< 0.4 U	< 0.2 U	--	< 2 U	< 0.99 U	--	< 0.8 U	--
1,2-Dichlorobenzene	3	µg/L	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 1.2 U	< 0.61 U	< 1 U	< 0.49 U	< 1 U
1,2-Dichloroethane	0.6	µg/L	< 1 U	< 0.62 U	< 0.31 U	< 1 U	< 3.1 U	< 1.5 U	< 1 U	< 1.2 U	< 1 U
1,2-Dichloropropane	1	µg/L	< 1 U	< 0.36 U	< 0.18 U	< 1 U	< 1.8 U	< 0.91 U	< 1 U	< 0.72 U	< 1 U
1,3,5-Trimethylbenzene (Mesitylene)	NSL	µg/L	--	< 0.23 U	< 0.11 U	--	< 1.1 U	< 0.57 U	--	< 0.45 U	--
1,3-Dichlorobenzene	3	µg/L	< 1 U	< 0.24 U	< 0.12 U	< 1 U	< 1.2 U	< 0.59 U	< 1 U	< 0.47 U	< 1 U
1,4-Dichlorobenzene	3	µg/L	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 1.3 U	< 0.65 U	< 1 U	< 0.52 U	< 1 U
1,4-Dioxane (P-Dioxane)	0.35	µg/L	--	< 41 U	< 21 U	--	< 210 U	< 100 U	--	< 82 U	--
Acetone	50	µg/L	< 10 U	9.6 J	< 2 U	< 10 U	< 20 U	< 10 U	< 10 U	< 8.1 U	< 10 U
Benzene	1	µg/L	< 0.5 U	< 0.4 U	< 0.2 U	< 0.5 U	< 2 U	< 1 U	< 0.5 U	< 0.8 U	< 0.5 U
Carbon Disulfide	60	µg/L	< 2 U	< 2.9 U	< 1.4 U	< 2 U	< 14 U	< 7.2 U	< 2 U	< 5.8 U	< 2 U
Chlorobenzene	5	µg/L	< 1 U	< 0.21 U	< 0.11 U	< 1 U	< 1.1 U	< 0.53 U	< 1 U	< 0.42 U	< 1 U
Chloroform	7	µg/L	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1.7 U	< 0.84 U	< 1 U	< 0.67 U	< 1 U
Cis-1,2-Dichloroethylene	5	µg/L	**257**	**88**	**34**	**26.4**	**800**	**490**	**171**	**400**	**108**
Cyclohexane	NSL	µg/L	< 5 U	--	--	< 5 U	--	--	< 5 U	--	< 5 U
Cymene	NSL	µg/L	--	< 0.19 U	< 0.097 U	--	< 0.97 U	< 0.49 U	--	< 0.39 U	--
Ethylbenzene	5	µg/L	< 1 U	< 0.43 U	< 0.21 U	< 1 U	< 2.1 U	< 1.1 U	< 1 U	< 0.86 U	< 1 U
Iodomethane (Methyl Iodide)	NSL	µg/L	--	--	--	--	--	--	--	--	--
Isopropylbenzene (Cumene)	5	µg/L	< 1 U	< 0.26 U	< 0.13 U	< 1 U	< 1.3 U	< 0.64 U	< 1 U	< 0.51 U	< 1 U
M,P-Xylene (Sum Of Isomers)	NSL	µg/L	< 1 U	< 0.22 U	< 0.11 U	< 1 U	< 1.1 U	< 0.54 U	< 1 U	< 0.43 U	< 1 U
Methyl Ethyl Ketone (2-Butanone)	50	µg/L	< 10 U	< 3.2 U	< 1.6 U	< 10 U	< 16 U	< 8.1 U	< 10 U	< 6.5 U	< 10 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NSL	µg/L	< 5 U	< 2.6 U	< 1.3 U	< 5 U	< 13 U	< 6.4 U	< 5 U	< 5.1 U	< 5 U
Methylcyclohexane	NSL	µg/L	< 5 U	< 0.49 U	< 0.24 U	< 5 U	< 2.4 U	< 1.2 U	< 5 U	< 0.98 U	< 5 U
Methylene Chloride	5	µg/L	< 2 U	< 0.47 U	< 0.23 U	< 2 U	< 2.3 U	< 1.2 U	< 2 U	< 0.94 U	< 2 U
M-P-Xylene	NSL	µg/L	--	< 0.92 U	< 0.46 U	--	< 4.6 U	< 2.3 U	--	< 1.8 U	--
Naphthalene	10	µg/L	--	< 0.49 U	< 0.24 U	--	< 2.4 U	< 1.2 U	--	< 0.97 U	--
N-Butylbenzene	5	µg/L	--	< 0.3 U	< 0.15 U	--	< 1.5 U	< 0.76 U	--	< 0.61 U	--
N-Propylbenzene	NSL	µg/L	--	< 0.17 U	< 0.086 U	--	< 0.86 U	< 0.43 U	--	< 0.34 U	--
O-Xylene (1,2-Dimethylbenzene)	5	µg/L	< 1 U	< 0.46 U	< 0.23 U	< 1 U	< 2.3 U	< 1.1 U	< 1 U	< 0.92 U	< 1 U
Sec-Butylbenzene	5	µg/L	--	< 0.22 U	< 0.11 U	--	< 1.1 U	< 0.55 U	--	< 0.44 U	--
T-Butylbenzene	5	µg/L	--	< 0.26 U	< 0.13 U	--	< 1.3 U	< 0.64 U	--	< 0.52 U	--
Tert-Butyl Alcohol	NSL	µg/L	--	< 9.4 U	< 4.7 U	--	< 47 U	< 23 U	--	< 19 U	--
Tert-Butyl Methyl Ether	10	µg/L	< 1 U	< 0.34 U	< 0.17 U	< 1 U	< 1.7 U	< 0.86 U	< 1 U	< 0.69 U	< 1 U
Tetrachloroethylene (PCE)	5	µg/L	**8.7**	**230**	**24**	**5.7**	**30**	**10**	**6.2**	< 0.75 U	< 1 U
Tetrahydrofuran	NSL	µg/L	--	< 0.98 U	< 0.49 U	--	< 4.9 U	8.4 J	--	6.9 J	--
Toluene	5	µg/L	< 1 U	< 0.45 U	< 0.22 U	< 1 U	< 2.2 U	1.4 J	< 1 U	< 0.9 U	< 1 U
Trans-1,2-Dichloroethene	5	µg/L	2.2	1.2 J	< 0.17 U	< 1 U	**5.8 J**	**5.4**	1	2.2 J	0.6 J
Trichloroethylene (TCE)	5	µg/L	**6.3**	**21**	**10**	**7.4**	**68**	**13**	4.8	< 0.76 U	< 1 U
Vinyl Chloride	2	µg/L	**51.1**	1.9 J	0.64 J	0.71 J	**9 J**	**8.2 J**	**13.1**	< 0.83 U	**2.5**
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 PFAS and 1,4-dioxane

		Location ID	MW-01	MW-01	MW-01	MW-01D	MW-01D	MW-01D	MW-01DD	MW-01DD	MW-01DD	MW-02	MW-02	MW-04R
		Sample Name	MW-01	MW-1	130054-MW-1-12052023	MW-01D	MW-1D	130054-MW-1D-12052023	MW-1DD	MW-01DD	MW-1DD-03192024	MW-02	130054-MW-2-12042023	130054-MW-4R-12042023
		Parent Sample ID												
		Sample Date	11/2/2017	3/24/2017	12/5/2023	11/2/2017	3/21/2017	12/5/2023	3/21/2017	11/2/2017	3/19/2024	11/8/2017	12/4/2023	12/4/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**												
PFAS (E537M/E1664)														
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	--	< 48 U	--	--	< 47 U	--	--	< 46 U	--	< 47 U	< 47 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	--	< 1.9 U	--	--	< 1.9 U	--	--	< 1.8 U	--	< 1.9 U	1.2 J
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	--	< 19 U	--	--	< 19 U	--	--	< 18 U	--	< 19 U	< 19 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	--	0.97 J	--	--	0.76 J	--	--	< 1.8 U	--	< 1.9 U	0.53 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	--	< 19 U	--	--	< 19 U	--	--	< 18 U	--	< 19 U	< 19 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	19	25.9	6	16	24.8	28.7	13.6	6.5	2.5	1.1 J	1.3 J	2.4
Perfluorobutanoic Acid	NSL	ng/L	17	--	14	15	--	23.5	--	8.4	5.4 J	2.5	1.7 J	5 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	13	--	1.4 J	4.7	--	1.3 J	--	1.5 J	1.2 J	< 2 U	< 1.9 U	0.6 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	0.65 J	--	< 1.9 U	< 1.7 U	--	< 1.9 U	--	< 1.7 U	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	3.7	--	0.94 J	1.4 J	--	3.3	--	1.6 J	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	30	19.6	7.3	17	18.2	18.5	17.3	12	4.9	1.9 J	< 1.9 U	2.5
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	11	8.53	2.4	7.7	9.13	10.9	9.56	7.3	2.9	1.4 J	< 1.9 U	1.6 J
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	36	--	8.5	24	--	19.8	--	12	4	2.2	0.91 J	4.2
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	--	< 1.9 U	--	--	< 1.9 U	--	--	< 1.8 U	--	< 1.9 U	< 1.9 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	14	5.76	1.9	7	6.29	6.3	3.36	2.7	2.3	1.1 J	1.1 J	0.59 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	1.7	--	0.81 J	0.99 J	--	2.5	--	0.92 J	5.2	< 2 U	< 1.9 U	< 1.9 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**230**	**101**	**76.6**	**100**	**114**	**221**	**109**	**94**	**90.1**	**15**	**13.4**	**30.6**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**86**	**62.8**	**18.2**	**52**	**57.6**	**63.4**	**93.6**	**65**	**35.1**	**6.8**	1.4 J	**7.4**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	--	1.2 J	--	--	2.6	--	--	< 1.8 U	--	< 1.9 U	< 1.9 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	35	--	10.2	25	--	20	--	10	4.6	2.5	< 3.7 U	2.6 J
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.7 U	--	< 1.9 U	< 1.7 U	--	< 1.9 U	--	< 1.7 U	< 1.8 U	0.6 J	< 1.9 U	< 1.9 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	1.1 J	--	< 1.9 U	< 1.7 U	--	< 1.9 U	--	< 1.7 U	< 1.8 U	< 2 U	< 1.9 U	< 1.9 U
SVOCs (SW8270E-SIM)														
1,4-dioxane	0.35	µg/L	--	--	< 0.050 U	--	--	0.151	--	--	--	--	< 0.050 U	< 0.050 U

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

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

		Location ID	MW-05R	MW-05R	MW-07D	MW-07RS	MW-07RS	MW-08	MW-08	MW-11	MW-11	MW-21D
		Sample Name	MW-05R	130054-MW-5R-12042023	130054-MW-7D-12042023	130054-MW-7RS-12042023	130054-DUP-01-12042023	MW-08	130054-MW-8-12042023	MW-11	130054-MW-11-12052023	MW-21D
		Parent Sample ID					130054-MW-7RS-20231204					
		Sample Date	11/6/2017	12/4/2023	12/4/2023	12/4/2023	12/4/2023	11/6/2017	12/4/2023	11/6/2017	12/5/2023	11/7/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**										
PFAS (E537M/E1664)												
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 47 U	< 46 U	< 45 U	< 46 U	--	10.5 J	--	< 47 U	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	--	< 1.9 U	3.1	2.5	2	--	27.5	--	4.1	--
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	--	< 19 U	< 18 U	< 18 U	< 19 U	--	54.5	--	< 19 U	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	< 1.9 U	4.2	3.4	2.6	--	27.2	--	12.2	--
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 19 U	< 18 U	< 18 U	< 19 U	--	45.3	--	< 19 U	--
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	53	27.2	10.8	7.1	7.3	13	7	14	2.1	5.8
Perfluorobutanoic Acid	NSL	ng/L	28	9.5	20.7	14.3	12.6	190	< 7.5 U	450	< 7.6 U	29
Perfluorodecanoic acid (PFDA)	NSL	ng/L	0.55 J	1.1 J	2.4	1.4 J	1.4 J	6.7	6.5	6.9	1.2 J	1.9 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 2.1 U	< 1.9 U	< 1.8 U	< 1.8 U	< 1.9 U	< 2.1 U	< 1.9 U	< 2 U	< 1.9 U	< 2 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	2.1	4.7	1.3 J	1.6 J	1 J	13	11.1	13	2.5	1.6 J
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	44	13.4	15.2	8.2	8.9	13	9.5	16	3.7	18
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	25	9.4	8	5.9	6.9	20	17.5	28	5.8	8
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	41	12.8	19.1	11.8	12	13	11.3	18	4.8	24
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.9 U	< 1.8 U	< 1.8 U	< 1.9 U	--	< 1.9 U	--	< 1.9 U	--
Perfluorononanoic acid (PFNA)	NSL	ng/L	5.8	10.2	3.7	3.8	3.3	16	15	26	3	4.9
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 2.1 U	< 1.9 U	2.8	1.3 J	0.98 J	3.9	11	1.2 J	4.3	1.8 J
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**52**	**138**	**167**	**111**	**108**	**1700**	**1770**	**1800**	**280**	**110**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**120**	**68.7**	**53.8**	**33.5**	**32.3**	**93**	**84.1**	**120**	**16.3**	**59**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	1.9	3.3	2	2	--	< 1.9 U	--	2.4	--
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	30	11.7	21.6	11.9	14.6	< 2.1 U	233	< 2 U	48.1	17
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 2.1 U	< 1.9 U	< 1.8 U	< 1.8 U	< 1.9 U	< 2.1 U	< 1.9 U	< 2 U	< 1.9 U	< 2 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	1.6 J	< 1.9 U	< 1.8 U	0.63 J	< 1.9 U	< 2.1 U	8.6	< 2 U	1 J	< 2 U
SVOCs (SW8270E-SIM)												
1,4-dioxane	0.35	µg/L	--	0.149	0.135	0.119	< 0.050 U	--	0.0555 J		< 0.050 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.
µg/L = micrograms per liter.
NSL = No screening level available.
R = Result was rejected.
SVOC = semi-volatile organic compound.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

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

		Location ID	MW-21D	MW-21S	MW-21S	MW-22RD	MW-22RD	MW-22RD	MW-22RD	MW-22RS	MW-22RS
		Sample Name	130054-MW-21D-12052023	MW-21S	130054-MW-21S-12052023	MW-22RD	MW-X	MW-22RD	130054-MW-22RD-12052023	MW-22RS	130054-MW-22RS-12052023
		Parent Sample ID					MW-22RD-20170321				
		Sample Date	12/5/2023	11/3/2017	12/5/2023	3/21/2017	3/21/2017	11/3/2017	12/5/2023	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	--	< 47 U	--	--	--	< 47 U	--	< 46 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 1.9 U	--	< 1.9 U	--	--	--	< 1.9 U	--	< 1.8 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 19 U	--	< 19 U	--	--	--	< 19 U	--	< 18 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	1.1 J	--	0.72 J	--	--	--	1.1 J	--	0.64 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 19 U	--	< 19 U	--	--	--	< 19 U	--	< 18 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	4.9	35	4.9	5.8	5.66	7.4	4.9	5.7	3.7
Perfluorobutanoic Acid	NSL	ng/L	7.9	26	10.3	--	--	20	9.1	18	5.8 J
Perfluorodecanoic acid (PFDA)	NSL	ng/L	1.2 J	87	0.9 J	--	--	1.2 J	1.5 J	2.7	1.4 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 1.9 U	2.4	< 1.9 U	--	--	< 1.9 U	< 1.9 U	< 1.9 U	< 1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.9 U	3.7	< 1.9 U	--	--	1 J	< 1.9 U	1.9	0.97 J
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	6.6	48	10	7.49	7.46	8.2	5.1	9.5	3.5
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	4	8.8	5	6.49	6.35	6.1	3.5	6.8	2.9
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	8.5	66	12.5	--	--	10	7.6	14	5.3
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.9 U	--	< 1.9 U	--	--	--	< 1.9 U	--	< 1.8 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	2.8	29	3.9	3.31	3.34	3	2.5	5.6	2
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	0.94 J	4.5	< 1.9 U	--	--	1.1 J	< 1.9 U	0.83 J	1.1 J
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**68.4**	**480**	**47.4**	**88.8**	**89.2**	**86**	**62.8**	**140**	**51**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**26.1**	**110**	**32.1**	**35.7**	**35.3**	**42**	**19.4**	**36**	**14.9**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	1.3 J	--	1.5 J	--	--	--	1.6 J	--	< 1.8 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	7.8	74	13.5	--	--	17	7.3	16	5.4
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.9 U	< 2.2 U	< 1.9 U	--	--	< 1.9 U	< 1.9 U	< 1.9 U	< 1.8 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 1.9 U	7.6	< 1.9 U	--	--	< 1.9 U	< 1.9 U	< 1.9 U	< 1.8 U
SVOCs (SW8270E-SIM)											
1,4-dioxane	0.35	µg/L	0.215	--	< 0.053 U	--	--	--	0.097 J		< 0.048 U

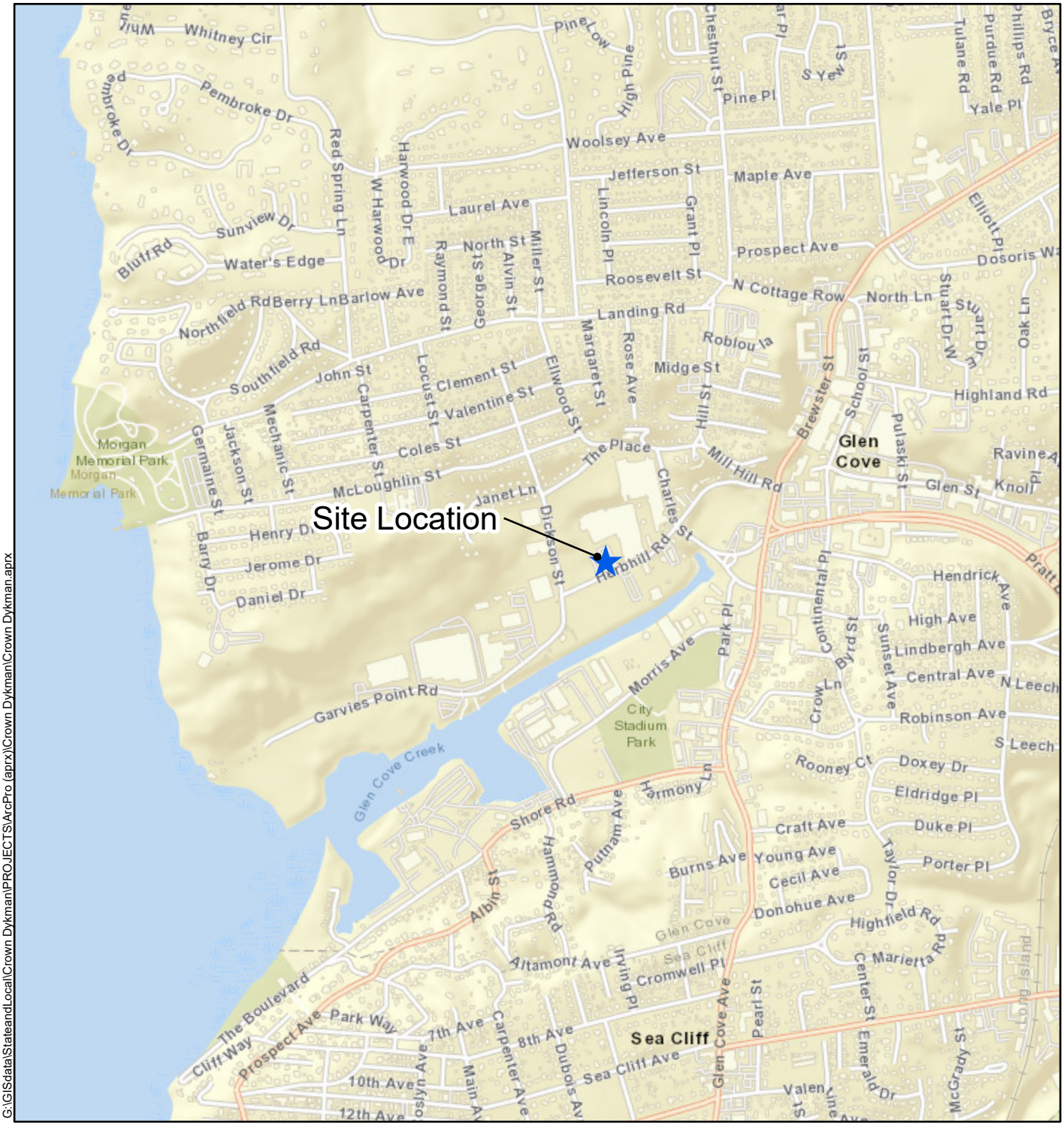
Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA (Standard/guidance values) (Technical and Operational Guidance Series [TOGS] 1.1.1)
-- = Not analyzed
J = Concentration is estimated.
ng/L = Nanogram(s) per liter.
µg/L = micrograms per liter.
NSL = No screening level available.
R = Result was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

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

		Location ID	MW-25RD	MW-25RS	MW-30D	MW-30S
		Sample Name	130054-MW-25RD-12052023	130054-MW-25RS-12052023	130054-MW-30D-12052023	130054-MW-30S-12052023
		Parent Sample ID				
		Sample Date	12/5/2023	12/5/2023	12/5/2023	12/5/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**				
PFAS (E537M/E1664)						
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 46 U	< 45 U	< 46 U	< 45 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	0.96 J	< 1.8 U	< 1.9 U	< 1.8 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 18 U	< 18 U	< 19 U	< 18 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	2.5	1.7 J	1.1 J	0.61 J
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 18 U	< 18 U	< 19 U	< 18 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	4.4	6.6	2.1	2.7
Perfluorobutanoic Acid	NSL	ng/L	7 J	8	6.5 J	8.2
Perfluorodecanoic acid (PFDA)	NSL	ng/L	1.4 J	1.5 J	0.7 J	0.67 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 1.8 U	0.93 J	< 1.9 U	< 1.8 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.8 U	1.2 J	< 1.9 U	< 1.8 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	5	7.8	2.6	3.1
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	2.4	4.6	< 1.9 U	2.3
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	5.7	7.8	3.5	4.6
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.8 U	< 1.8 U	< 1.9 U	< 1.8 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	2.4	3	0.68 J	0.89 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	1.5 J	0.64 J	< 1.9 U	< 1.8 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**56.9**	**62.2**	**15.6**	**24.7**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**16.3**	**24.4**	5.4	**9.5**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	1.2 J	1.3 J	< 1.9 U	< 1.8 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	6.6	8	5	5.4
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 1.8 U	< 1.8 U	< 1.9 U	< 1.8 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 1.8 U	< 1.8 U	< 1.9 U	< 1.8 U
SVOCs (SW8270E-SIM)						
1,4-dioxane	0.35	µg/L	< 0.048 U	< 0.048 U	< 0.048 U	< 0.050 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.
µg/L = micrograms per liter.
NSL = No screening level available.
R = Result was rejected.
SVOC = semi-volatile organic compound.
U = Analyte not detected.
Concentrations exceeding the screening level are shaded gray.

Figures



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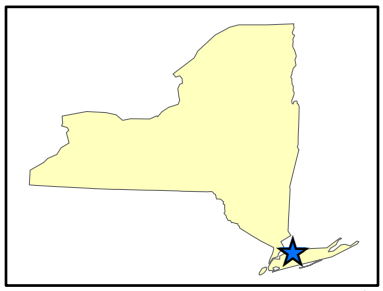

0 0.17 0.35
Miles

N

Legend

★ Site Location

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

Map Date: 1/31/2024
Projection: NAD83 State Plane New York East
FIPS 3104 Feet

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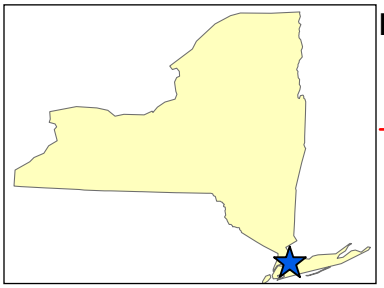

Legend

- Site Location
- Site Parcels
- Monitoring Well
- Horizontal Injection Gallery Headers
- Injection Well

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

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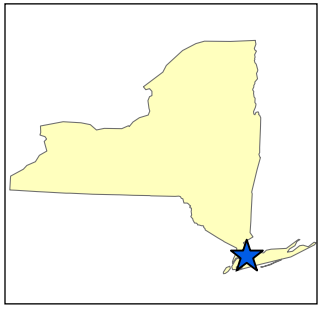
VICINITY MAP



Legend

- Site Location
- Monitoring Well
- 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). Groundwater elevation for MW-21D (noted in green) is omitted as an outlier.

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

Figure 3
Groundwater Elevation Contour
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

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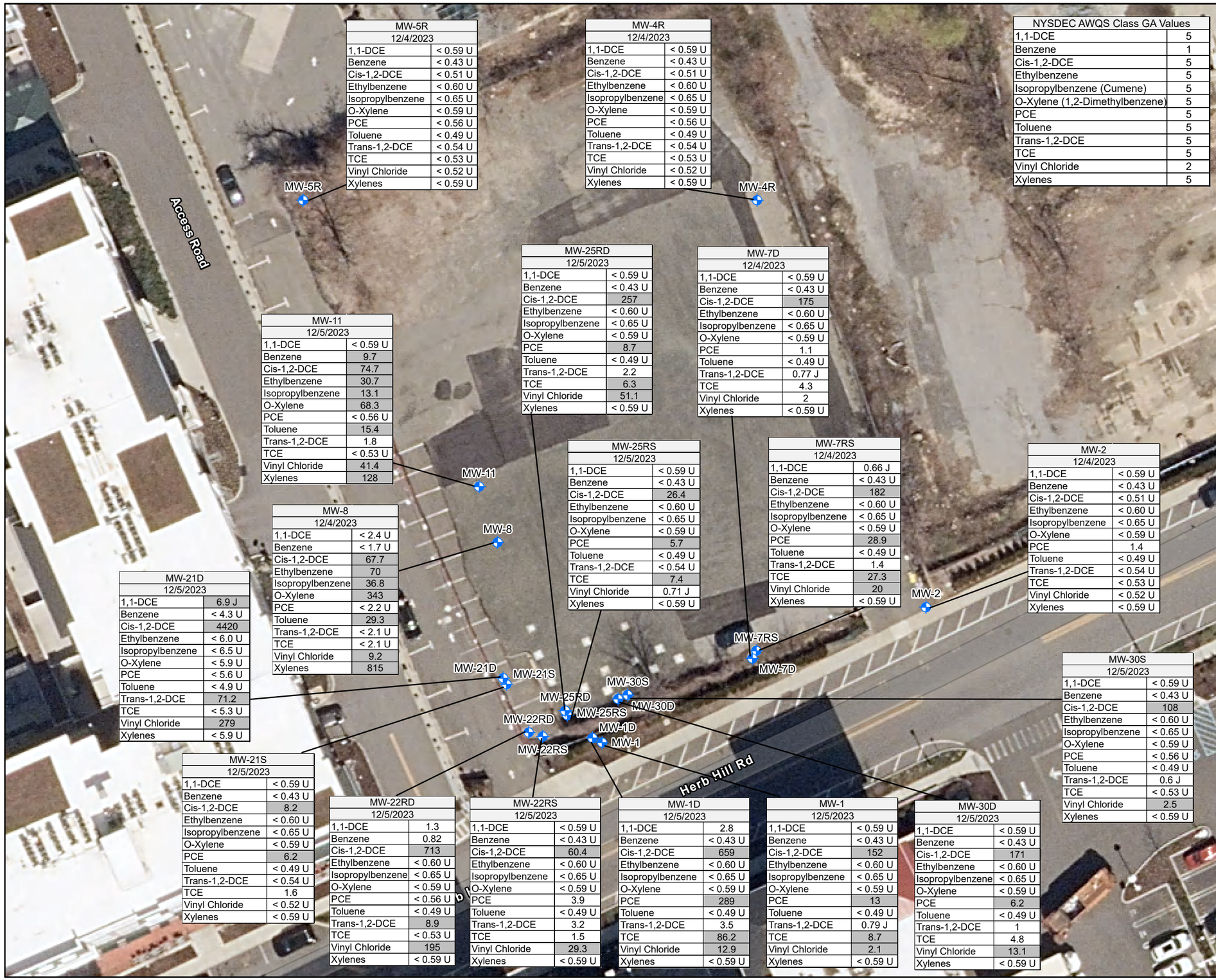


MW-5R	
12/4/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	< 0.51 U
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	< 0.53 U
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-4R	
12/4/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	< 0.51 U
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 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

NYSDEC AWQS Class GA Values	
1,1-DCE	5
Benzene	1
Cis-1,2-DCE	5
Ethylbenzene	5
Isopropylbenzene (Cumene)	5
O-Xylene (1,2-Dimethylbenzene)	5
PCE	5
Toluene	5
Trans-1,2-DCE	5
TCE	5
Vinyl Chloride	2
Xylenes	5

MW-25RD	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	257
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	8.7
Toluene	< 0.49 U
Trans-1,2-DCE	2.2
TCE	6.3
Vinyl Chloride	51.1
Xylenes	< 0.59 U

MW-7D	
12/4/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	175
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	1.1
Toluene	< 0.49 U
Trans-1,2-DCE	0.77 J
TCE	4.3
Vinyl Chloride	2
Xylenes	< 0.59 U

MW-11	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	9.7
Cis-1,2-DCE	74.7
Ethylbenzene	30.7
Isopropylbenzene	13.1
O-Xylene	68.3
PCE	< 0.56 U
Toluene	15.4
Trans-1,2-DCE	1.8
TCE	< 0.53 U
Vinyl Chloride	41.4
Xylenes	128

MW-25RS	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	26.4
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	5.7
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	7.4
Vinyl Chloride	0.71 J
Xylenes	< 0.59 U

MW-7RS	
12/4/2023	
1,1-DCE	0.66 J
Benzene	< 0.43 U
Cis-1,2-DCE	182
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	28.9
Toluene	< 0.49 U
Trans-1,2-DCE	1.4
TCE	27.3
Vinyl Chloride	20
Xylenes	< 0.59 U

MW-2	
12/4/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	< 0.51 U
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	1.4
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-8	
12/4/2023	
1,1-DCE	< 2.4 U
Benzene	< 1.7 U
Cis-1,2-DCE	67.7
Ethylbenzene	70
Isopropylbenzene	36.8
O-Xylene	343
PCE	< 2.2 U
Toluene	29.3
Trans-1,2-DCE	< 2.1 U
TCE	< 2.1 U
Vinyl Chloride	9.2
Xylenes	815

MW-21D	
12/5/2023	
1,1-DCE	6.9 J
Benzene	< 4.3 U
Cis-1,2-DCE	4420
Ethylbenzene	< 6.0 U
Isopropylbenzene	< 6.5 U
O-Xylene	< 5.9 U
PCE	< 5.6 U
Toluene	< 4.9 U
Trans-1,2-DCE	71.2
TCE	< 5.3 U
Vinyl Chloride	279
Xylenes	< 5.9 U

MW-30S	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	108
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	0.6 J
TCE	< 0.53 U
Vinyl Chloride	2.5
Xylenes	< 0.59 U

MW-21S	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	8.2
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	6.2
Toluene	< 0.49 U
Trans-1,2-DCE	< 0.54 U
TCE	1.6
Vinyl Chloride	< 0.52 U
Xylenes	< 0.59 U

MW-22RD	
12/5/2023	
1,1-DCE	1.3
Benzene	0.82
Cis-1,2-DCE	713
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	< 0.56 U
Toluene	< 0.49 U
Trans-1,2-DCE	8.9
TCE	< 0.53 U
Vinyl Chloride	195
Xylenes	< 0.59 U

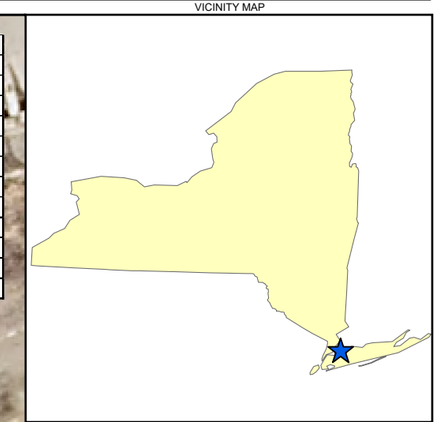
MW-22RS	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	60.4
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	3.9
Toluene	< 0.49 U
Trans-1,2-DCE	3.2
TCE	1.5
Vinyl Chloride	29.3
Xylenes	< 0.59 U

MW-1D	
12/5/2023	
1,1-DCE	2.8
Benzene	< 0.43 U
Cis-1,2-DCE	659
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	289
Toluene	< 0.49 U
Trans-1,2-DCE	3.5
TCE	86.2
Vinyl Chloride	12.9
Xylenes	< 0.59 U

MW-1	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	152
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	13
Toluene	< 0.49 U
Trans-1,2-DCE	0.79 J
TCE	8.7
Vinyl Chloride	2.1
Xylenes	< 0.59 U

MW-30D	
12/5/2023	
1,1-DCE	< 0.59 U
Benzene	< 0.43 U
Cis-1,2-DCE	171
Ethylbenzene	< 0.60 U
Isopropylbenzene	< 0.65 U
O-Xylene	< 0.59 U
PCE	6.2
Toluene	< 0.49 U
Trans-1,2-DCE	1
TCE	4.8
Vinyl Chloride	13.1
Xylenes	< 0.59 U

VICINITY MAP



Legend

- Site Location
- Monitoring Well

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

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

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Analyte	NYSDEC AWQS[1]
PFOS	2.7
PFOA	6.7

MW-5R	
12/4/2023	
PFOS	138
PFOA	68.7

MW-4R	
12/4/2023	
PFOS	30.6
PFOA	7.4

MW-11	
12/5/2023	
PFOS	280
PFOA	16.3

MW-8	
12/4/2023	
PFOS	1,770
PFOA	84.1

MW-21D	
12/5/2023	
PFOS	68.4
PFOA	26.1

MW-21S	
12/5/2023	
PFOS	47.4
PFOA	32.1

MW-22RD	
12/5/2023	
PFOS	62.8
PFOA	19.4

MW-22RS	
12/5/2023	
PFOS	51
PFOA	14.9

MW-25RD	
12/5/2023	
PFOS	56.9
PFOA	16.3

MW-25RS	
12/5/2023	
PFOS	62.2
PFOA	24.4

MW-1D	
12/5/2023	
PFOS	221
PFOA	63.4

MW-1	
12/5/2023	
PFOS	76.6
PFOA	18.2

MW-7D	
12/4/2023	
PFOS	167
PFOA	53.8

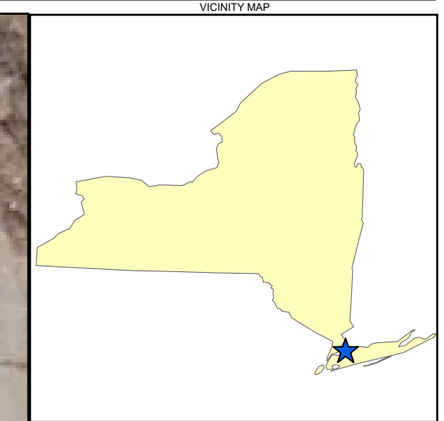
MW-7RS	
12/4/2023	
PFOS	111
PFOA	33.5

MW-2	
12/4/2023	
PFOS	13.4
PFOA	1.4 J

MW-30S	
12/5/2023	
PFOS	24.7
PFOA	9.5

MW-30D	
12/5/2023	
PFOS	15.6
PFOA	5.4

VICINITY MAP



Legend

- Site Location
- Monitoring Well

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
J = Concentration is estimated.
NYSDEC = New York State Department of Environmental Conservation
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
Crown Dykman (NYSDEC Site 130054)
66 Herb Hill Rd
Glen Cove, NY

NEW YORK STATE | Department of Environmental Conservation

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Appendix A

Monitoring Well Assessment Checklists

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: CC Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-1
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	15.017	
Latitude		
Longitude		
Northing (State Plane)	253427.3258	
Easting (State Plane)	1084108.199	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing): 14.193
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 5.75 *ftbgs*
Well Depth (as measured): 11.7 *fttoc*
Screened interval: 1.15 - 5.75 *ft*
Open hole interval: *ft*
Depth to water: 3.07 *ftbtoc*
Date: 12/9/2023 *Time:* 1430

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	Yes	**(No)**
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None

Inspected by: Cady Barber

Date of Inspection: 12/5/2023

Reviewed by: _____ **(Print)**

_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-1D
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	14.686	
Latitude		
Longitude		
Northing (State Plane)	258425.4952	
Easting (State Plane)	1084111.868	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: bolts + lock
Elevation (top of inner casing): 14.031
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 27.0 *ftbgs*
Well Depth (as measured): 19.10 *fttoc*
Screened interval: 17.0-27.0 *ft*
Open hole interval: *ft*
Depth to water: 3.08 *ftbtoc*
Date: 12/5/23 *Time:* 1540

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	Yes	**(No)**
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

Sounding depth does not match completed depth.

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-2
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	17.14	
Latitude		
Longitude		
Northing (State Plane)	253477.71	
Easting (State Plane)	1084236.638	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing): 16.65
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 23.69 *ftbgs*
Well Depth (as measured): 11.72 *fttoc*
Screened interval: 13.69 – 23.69 *ft*
Open hole interval: *ft*
Depth to water: 2.62 *ftbtoc*
Date: 12/4/2023 *Time:* 1350

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	(CB) ~~Yes~~	**(No)**
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None

Inspected by: C. Bedman
Date of Inspection: 12/4/2023
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dyeing
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-4R
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	21	
Latitude		
Longitude		
Northing (State Plane)	253639.97	
Easting (State Plane)	1084169.21	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 20.7
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 18.759 *ftbgs*
Well Depth (as measured): 19.47 *fttoc*
Screened interval: 8.759 - 18.759 *ft*
Open hole interval: *ft*
Depth to water: 0.00 *ftbtoc*
Date: 12/4/23 *Time:* 1345

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None.

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None.

Inspected by: C. Derrick
Date of Inspection: 12/4/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-5R
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	26.35	
Latitude		
Longitude		
Northing (State Plane)	253624.8	
Easting (State Plane)	1084004.49	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount (Stick up) Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 25.92
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 22.15 *ftbgs*
Well Depth (as measured): 24.82 *fttoc*
Screened interval: 12.15 - 22.15 *ft*
Open hole interval: *ft*
Depth to water: 9.62 *ftbtoc*
Date: 12/4/23 *Time:* 1507

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	**(Yes)**	No
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None.

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None.

Inspected by: C. Demck
Date of Inspection: 12/4/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-7RS
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.9	
Latitude		
Longitude		
Northing (State Plane)	253460.79	
Easting (State Plane)	1084171.26	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Locks
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 19.0 *ftbgs*
Well Depth (as measured): 19.27 *fttoc*
Screened interval: 9-19 *ft*
Open hole interval: *ft*
Depth to water: 7.01 *ftbtoc*
Date: 12/4/2023 *Time:* 1400

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 13.9 ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A % LEL
O_2: N/A 40% Vol.
CO: N/A ppm
H_2S: N/A ppm

Do readings indicate unsafe conditions exist? Yes No

Well Condition

Is the concrete pad in good condition?	Yes	No
Is the well surface casing in good condition?	Yes	No
Is the surface casing vertical?	Yes	No
Is there an internal well seal?	Yes	No
Has there been physical damage to the well?	Yes	No
Does sounding depth match completed depth?	Yes	No
Is measuring point marked?	Yes	No
Is the well clearly labeled?	Yes	No
Flush mount - Is it secure from runoff?	Yes	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	No
Well needs to be re-surveyed.	Yes	No
Well needs to be repaired.	Yes	No
Well needs to be replaced.	Yes	No
Well needs to be properly abandoned.	Yes	No
No action necessary.	Yes	No

Comments

None

Inspected by: C. Badman
Date of Inspection: 12/4/2013
Reviewed by: _____ (Print)
_____ (Sign)

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dyeman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-7B
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.86	
Latitude		
Longitude		
Northing (State Plane)	255457.99	
Easting (State Plane)	1084169.79	

Cross streets (if applicable): Herb Hill Rd.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 24.00 *ftbgs*
Well Depth (as measured): 22.88 *fttoc*
Screened interval: 19.0 - 24.0 *ft*
Open hole interval: *ft*
Depth to water: 8.14 *ftbtoc*
Date: 12/4/2023 *Time:* 1600

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): CB 208 ppm

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A % LEL
O_2: N/A 40% Vol.
CO: N/A ppm
H_2S: N/A ppm

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	Yes	**No**
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None

Inspected by: C. Badman
Date of Inspection: 12/4/2023
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-8
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	21.56	
Latitude		
Longitude		
Northing (State Plane)	253502.6652	
Easting (State Plane)	1084071.608	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 20.95
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 4 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 14.521 *ftbgs*
Well Depth (as measured): 14.55 *fttoc*
Screened interval: 4.521 - 14.521 *ft*
Open hole interval: *ft*
Depth to water: 5.83 *ftbtoc*
Date: 12/4/23 *Time:* 1708

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 357 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL:	N/A	*% LEL*
O_2:	N/A	*40% Vol.*
CO:	N/A	*ppm*
H_2S:	N/A	*ppm*

Do readings indicate unsafe conditions exist? **Yes** No

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None.

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None.

Inspected by: C. Derrick

Date of Inspection: 12/4/23

Reviewed by: _____ **(Print)**

_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 666 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-11
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	21.701	
Latitude		
Longitude		
Northing (State Plane)	253524.2597	
Easting (State Plane)	1084064.479	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts + lock
Elevation (top of inner casing): ~~21.339~~ CD 21.339
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 4 *inches*
Well Diameter: 1 *inches*
Well Depth (as installed): 9.562 *ftbgs*
Well Depth (as measured): 9.15 *fttoc*
Screened interval: 4.562 – 9.562 *ft*
Open hole interval: *ft*
Depth to water: 4.40 *ftbtoc*
Date: 12/5/23 *Time:* 1451

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	**(Yes)**	No
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None.

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None.

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-21S
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	16.74	
Latitude		
Longitude		
Northing (State Plane)	253447.8705	
Easting (State Plane)	1084075.015	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 16.71
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 12.8 *ftbgs*
Well Depth (as measured): 11.83 *fttoc*
Screened interval: 2.8-12.8 *ft*
Open hole interval: *ft*
Depth to water: 1.22 *ftbtoc*
Date: 12/5/23 *Time:* 0915

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None.

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-21D
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	16.87	
Latitude		
Longitude		
Northing (State Plane)	253450.2446	
Easting (State Plane)	1084073.761	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 16.91
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 22.6 *ftbgs*
Well Depth (as measured): 19.95 *fttoc*
Screened interval: 12.6-22.6 *ft*
Open hole interval: *ft*
Depth to water: 15.20 *ftbtoc*
Date: 12/5/23 *Time:* 1130

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.7 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	Yes	**No**
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	**Yes**	No
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	~~Yes~~ CD	**No**

Other Comments Refer below

Recommendations

Well needs to be redeveloped	**Yes**	No
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	**Yes**	No
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	Yes	**No**

Comments

Well casing full of water
Surface casing does not sit flush due to damage

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-22RS
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	14.71	
Latitude		
Longitude		
Northing (State Plane)	253427.925	
Easting (State Plane)	1084088.947	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 14.16
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 20.08 *ftbgs*
Well Depth (as measured): 21.29 *fttoc*
Screened interval: 10.08-20.08 *ft*
Open hole interval: *ft*
Depth to water: 6.61 *ftbtoc*
Date: 12/5/23 *Time:* 1300

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 1.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None.

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None.

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Rd
Site County: Nassau
Site State: NY
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-22RD
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	15.27	
Latitude		
Longitude		
Northing (State Plane)	253429.315	
Easting (State Plane)	1084083.595	

Cross streets (if applicable): N/A

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) (Flush Mount) Stick up Multilevel Well*
Well lock\security type: bolts and lock
Elevation (top of inner casing): 15.02
Surface casing material: steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 29.95 *ftbgs*
Well Depth (as measured): 30.14 *fttoc*
Screened interval: 19.95 - 29.95 *ft*
Open hole interval: *ft*
Depth to water: 3.92 *ftbtoc*
Date: 12/5/23 *Time:* 1425

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 1.9 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	**(Yes)**	No
Does sounding depth match completed depth?	**(Yes)**	No
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments PVC cracked/broken

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	**(Yes)**	No
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	Yes	**(No)**

Comments

PVC cracked/broken

Inspected by: C. Derrick
Date of Inspection: 12/5/23
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-25RS
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.35	
Latitude		
Longitude		
Northing (State Plane)	253436.07	
Easting (State Plane)	1084098.47	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 17.0 *ftbgs*
Well Depth (as measured): 16.60 *fttoc*
Screened interval: 7-17 *ft*
Open hole interval: *ft*
Depth to water: 3.45 *ftbtoc*
Date: 12/5/2023 *Time:* 1215

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 2.5 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	**(Yes)**	No
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None

Inspected by: C. Bardman
Date of Inspection:
Reviewed by: **(Print)**
(Sign)

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-25RD
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.16	
Latitude		
Longitude		
Northing (State Plane)	255437.87	
Easting (State Plane)	1084097.65	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 27.0 *ftbgs*
Well Depth (as measured): 26.39 *fttoc*
Screened interval: 17-27 *ft*
Open hole interval: *ft*
Depth to water: 6.05 *ftbtoc*
Date: 12/5/2023 *Time:* 1300

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None

Inspected by: C. Badman
Date of Inspection: 12/5/2023
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-30S
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.74	
Latitude		
Longitude		
Northing (State Plane)	253443.77	
Easting (State Plane)	1084121.74	

Cross streets (if applicable): Herb Hill Road

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 20 *ftbgs*
Well Depth (as measured): 20.30 *fttoc*
Screened interval: 10-20 *ft*
Open hole interval: *ft*
Depth to water: 16.36 *ftbtoc*
Date: 12/5/2023 *Time:* 1100

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 0.0 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **No**

Well Condition

Is the concrete pad in good condition?	**Yes**	No
Is the well surface casing in good condition?	**Yes**	No
Is the surface casing vertical?	**Yes**	No
Is there an internal well seal?	**Yes**	No
Has there been physical damage to the well?	Yes	**No**
Does sounding depth match completed depth?	**Yes**	No
Is measuring point marked?	**Yes**	No
Is the well clearly labeled?	**Yes**	No
Flush mount - Is it secure from runoff?	**Yes**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**No**
Well needs to be re-surveyed.	Yes	**No**
Well needs to be repaired.	Yes	**No**
Well needs to be replaced.	Yes	**No**
Well needs to be properly abandoned.	Yes	**No**
No action necessary.	**Yes**	No

Comments

None

Inspected by: C. Badman
Date of Inspection: 12/5/2023
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Crown Dykman
Site Address: 66 Herb Hill Road
Site County: Nassau
Site State: New York
EPA Site ID Number:
Site Owner:
EPA Project Manager:

Well Locational Information

State Well ID:
Well Tag ID: MW-30D
Well Installation date:

	From Log	By GPS
Ground Surface Elevation	19.73	
Latitude		
Longitude		
Northing (State Plane)	253442.28	
Easting (State Plane)	1084118.01	

Cross streets (if applicable): Herb Hill Rd.

GPS Instrument used: N/A
Datum: N/A
Accuracy/Precision: N/A

Well Construction Details

Type of well (Circle one) Flush Mount Stick up Multilevel Well*
Well lock\security type: Bolts + Lock
Elevation (top of inner casing):
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 6 *inches*
Well Diameter: 2 *inches*
Well Depth (as installed): 29.83 *ftbgs*
Well Depth (as measured): 30 *fttoc*
Screened interval: 20 - 30 *ft*
Open hole interval: *ft*
Depth to water: 7.31 *ftbtoc*
Date: 12/5/2023 *Time:* 1000

* If multilevel well please see attached worksheet.

EPA Region 2 Superfund Well Assessment Checklist

Well Headspace Readings

PID/FID Reading taken inside top of casing (if applicable): 1.3 *ppm*

Multi-gas/CGI meter Readings taken (if applicable):

LEL: N/A *% LEL*
O_2: N/A *40% Vol.*
CO: N/A *ppm*
H_2S: N/A *ppm*

Do readings indicate unsafe conditions exist? Yes **(No)**

Well Condition

Is the concrete pad in good condition?	**(Yes)**	No
Is the well surface casing in good condition?	**(Yes)**	No
Is the surface casing vertical?	**(Yes)**	No
Is there an internal well seal?	**(Yes)**	No
Has there been physical damage to the well?	Yes	**(No)**
Does sounding depth match completed depth?	**(Yes)**	No
Is measuring point marked?	**(Yes)**	No
Is the well clearly labeled?	**(Yes)**	No
Flush mount - Is it secure from runoff?	**(Yes)**	No

Other Comments None

Recommendations

Well needs to be redeveloped	Yes	**(No)**
Well needs to be re-surveyed.	Yes	**(No)**
Well needs to be repaired.	Yes	**(No)**
Well needs to be replaced.	Yes	**(No)**
Well needs to be properly abandoned.	Yes	**(No)**
No action necessary.	**(Yes)**	No

Comments

None

Inspected by: C. Boardman
Date of Inspection: 12/5/2023
Reviewed by: _____ **(Print)**
_____ **(Sign)**

Appendix B

Daily Field Reports

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

Date: 04/03/2023

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Crown Dykman, Glen Cove, NY

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Adam Etringer, Grant Reeder

Weather Conditions

General Description	Sunny	AM	NA	PM
Temperature	55	AM	NA	PM
Wind	4	AM	NA	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

None.

Summary of Work Performed | Arrived at site: | Departed Site:

(0945) EA (J. Oliver, A. Etringer, G. Reeder) onsite.
(1030) NYSDEC (J. Stefansky, P. Long, J. Dyber) onsite.
(1045) S. Salotto (NYSDEC's construction phase PM) onsite to brief EA on demolition, excavation, and restoration work onsite.
(1100) Locate onsite monitoring wells. The following well conditions were noted:

- The MW-21S/21D flush mount covers are broken and the well pads should be replaced.
- MW-08 bolt eylets (small diameter bolts) are stripped and need to be re-threaded.
- MW-03 could not be located. The area has been covered by gravel, and underlying reinforced concrete eliminated the ability to locate the well using a metal detector.
- MW-1/1D/1DD and MW-23S/23D could not be located.
- MW-05R (stickup) is in ok condition but the protective casing appears to have been hit by a car.
- MW-7D well pad is in good condition but the annular space is flooded.
- Monitoring wells located within the excavation area appear to have been destroyed and/or abandoned, including MW-25S/D, MW-10S/D, MW-18, MW-20, MW-17R, MW-6R, MW-27, MW-28, MW-13, MW-26, MW-29, MW-16R,MW-19, MW-14R, MW-15R, MW-8, and MW-11.
- Injection wells IS-1 – IS-12 and two injection wells labeled "injection gallery" (connected by lateral injection piping?) are located onsite and pads are in good condition. IS-7 is flooded.

(1200) NYSDEC offsite.
(1215) 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
Joshua Oliver	EA	Project Manager	2.5
Adam Etringer	EA	Site Manager	2.5
Grant Reeder	EA	Task Manager	2.5

Equipment Description	Contractor/Vendor	Quantity	Used
Electronic Water Level Meter	Heron	1	Yes
Metal Detector	Harbor Freight	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

A. Salotto stated that multiple reports from the remedial construction phase of work are outstanding (including FER).

Issues Pending

Well network appears to have been partially removed during RA.

Interaction with Public, Property Owners, Media, etc.

None.

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

Site Photographs (Descriptions Below)

MW-21S (left) and MW-21D (right). Damaged flush mount covers. MW-21D flush mount cover is broken off of the skirt.

MW-5R. Stickup casing in ok condition, collision damage on steel outer casing does not appear to have affected the well.

Crown Dykman site, looking SE.

Crown Dykman site, looking S

N end of Crown Dykman site, looking W. Access around fence available from parking area.

IS-7 (left, flooded) and IS-12 (right)

MW-7D (left, flooded) and MW-7S

IS-11

IS-6

IS-9 (left) and IS-10 (right)

IS-5

IS-1 (left) and IS-3 (right)

IS-2 (left) and IS-8 (right)

IS-4

Comments

Site Inspector(s): Josh Oliver, Adam Etringer, and Grant Reeder	**Date: 04/03/2023**

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:			

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:			

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:			

* BART – Best Available Retrofit Technology

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

Date: 12/04/2023

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Crown Dykman, Glen Cove, NY

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Cody Badman

Weather Conditions

General Description	Sunny	AM	Cloudy	PM
Temperature	50	AM	51	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

None.

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

(1045) C. Badman (EA) onsite. (1055) Calibrate PIDs. (1115) K. Cassidy and C. Derrick (EA) onsite. (1125) Calibrate Horiba U-52s (1130) Tailgate Health and Safety meeting covering topics of sun, hydration, and cold weather.

(1207) Begin purge of MW-4R.
(1214) Begin purge of MW-2.
(1249) Sample 130054-MW-4R-12042023 for PFAS, 1,4-Dioxane, and VOCs. MS/MSD collected.
(1300) Sample 130054-MW-2-12042023 for PFAS, 1,4-Dioxane, and VOCs.
(1347) Begin purge of MW-7RS.
(1358) Begin purge of MW-5R.
(1435) Sample 130054-MW-7RS-12042023 for PFAS, 1,4-Dioxane, and VOCs. Sample 130054-DUP-01-12042023 for PFAS, 1,4-Dioxane, and VOCs.
(1446) Sample 130054-MW-5R-12042023 for PFAS, 1,4-Dioxane, and VOCs.
(1524) Begin purge of MW-11.
(1532) Begin purge of MW-7D.
(1548) MW-11 dry, will let recharge overnight and sample.
(1616) Begin purge of MW-8.
(1646) Sample 130054-MW-8-12042023 for PFAS, 1,4-Dioxane, and VOCs.
(1650) Sample 130054-MW-7D-12042023 for PFAS, 1,4-Dioxane, and VOCs.
(1700) Collect 130054-RB-01-12042023.

(1705) Clean up, load up equipment into trucks. (1730) 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
Cody Badman	EA	Scientist	6.75
Katherine Cassidy	EA	Scientist	6.25
Cassandra Derrick	EA	Geologist	6.25

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 Supercab	EA	1	Yes
Ford F-150 Crewcab	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

Groundwater sampling to continue on 12/5.

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)

Facing NW corner of Site

Facing S from NE corner of Site.

Crown Dykman site, looking S from NW corner of Site.

Vegetation along S edge of Site

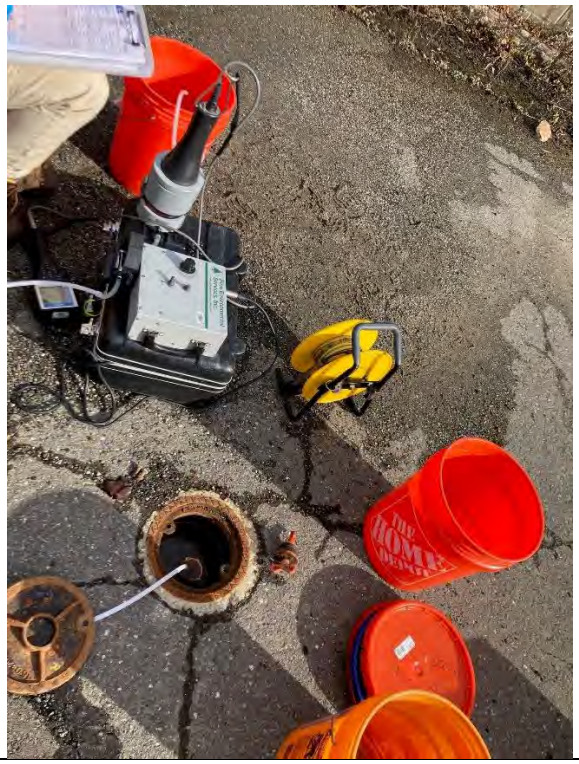
NW corner of Site

NE Corner of Site

MW-7D (left) and MW-4R

MW-7RS (Left), MW-8

MW-11 (left), Setup on MW-2

Setup on MW-5R (left), Setup on MW-4R


Setup on MW-7D (left), Setup on MW-7S


Sheen observed from MW-8 (left), Setup on MW-8

Comments

Site Inspector(s): Cody Badman	**Date: 12/04/2023**

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:			

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:			

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:			

* BART – Best Available Retrofit Technology

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

Date: 12/05/2023

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Site Location: Crown Dykman, Glen Cove, NY

Contract No.

DEC PM – Jasmine Stefansky

Engineer PM – Joshua Oliver

Engineer Insp. – Cody Badman

Weather Conditions

General Description	Sunny	AM	Sunny	PM
Temperature	37	AM	43	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

None.

Summary of Work Performed	Arrived at site:	0700	Departed Site:	1530

(0700) C. Badman, K. Cassidy, and C. Derrick (EA) onsite. (0715) Calibrate PIDs (0730) Calibrate Horiba U-52s. (0735) Tailgate Health and Safety meeting covering topics of sun, hydration, and cold weather.

(0802) Begin purge of MW-21S.
(0814) Begin purge of MW-30S.
(0853) Sample 130054-MW-21S-12052023 for PFAS, 1,4-Dioxane, and VOCs.

(0856) MW-30S dry, will let recharge then sample. Search for MW-3, MW-1DD, MW-23S, and MW-23D.

(0918) Begin purge of MW-30D.
(0919) Sample 130054-MW-11-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(0954) Sample 130054-MW-30D-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(0958) Begin purge of MW-21D.
(1030) Sample 130054-MW-30S-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1107) Sample 130054-MW-21D-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1120) Begin purge of MW-25RS.
(1150) Sample 130054-MW-25RS-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1200) Begin purge of MW-22RS.

(1220) Pine Environmental onsite to drop off 3 IDW drums, begin purge of MW-25RD.
(1225) Pine Environmental offsite.

(1230) Sample 130054-MW-22RS-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1247) Sample 130054-MW-25RD-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1302) Begin purge of MW-22RD.
(1338) Begin purge of MW-1.

(1350) Pine Environmental onsite to drop off drum labels.
(1355) Pine Environmental offsite.

(1359) Sample 130054-MW-22RD-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1414) Sample 130054-MW-1-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1433) Begin purge of MW-1D.
(1509) Sample 130054-MW-1D-12052023 for PFAS, 1,4-Dioxane, and VOCs.
(1515) Collect 130054-RB-02-12052023.

(1530) Pack up trucks, 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
Cody Badman	EA	Scientist	8.5
Katherine Cassidy	EA	Scientist	8.5
Cassandra Derrick	EA	Geologist	8.5

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 Supercab	EA	1	Yes
Ford F-150 Crewcab	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	
Pine Environmental		Yes	**No**

Site Representatives

Name	Representing
None.	

Project Schedule Comments

None.

Issues Pending

MW-3, MW-1DD, MW-23S, and MW-23D not located.

Interaction with Public, Property Owners, Media, etc.

None.

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

Site Photographs (Descriptions Below)

MW-21D and MW-21S

MW-1 and MW-1D

MW-25RS and MW-25RD

MW-30S and MW-30D

MW-22RS and MW-22RD

Setup on MW-21D

Setup on MW-30D

Comments

Site Inspector(s): Cody Badman	**Date: 12/05/2023**

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:			

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:			

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:			

* BART – Best Available Retrofit Technology

Appendix C

Field Equipment Calibration Forms

FIELD CALIBRATION FORM

Site Name: Crown Dykman

INSTRUMENT: RKI GX-6000	INSTRUMENT ID No: 212166
OPERATOR: C. Badman	WEATHER: Sunny 50°F
SPAN GAS TYPE: 100 ppm Isobutylene	DATE: 12/4/2023

CALIBRATION NOTES:

Zero: 0.0 ppm
Span: 99.9 ppm

COMMENTS: None

SIGNATURE: Cody Badman DATE: 12/4/2023

FIELD CALIBRATION FORM

Site Name: Crown Dykman

INSTRUMENT: RKI GX-6000	INSTRUMENT ID No: 42039
OPERATOR: C. Badman	WEATHER: Sunny, 50°F
SPAN GAS TYPE: 100ppm Isobutylene	DATE: 12/4/2023

CALIBRATION NOTES:

Zero: 0.0ppm
Span: 99.8 ppm

COMMENTS: None

SIGNATURE: Carly Badman DATE: 12/4/2023

FIELD CALIBRATION FORM

Site Name: Conn Dykman

INSTRUMENT: RKI GX-6000	INSTRUMENT ID No: 92039
OPERATOR: C. Badman	WEATHER: Sunny, 37°F
SPAN GAS TYPE: 100 ppm Isobutylene	DATE: 12/5/2023
CALIBRATION NOTES:	
Zero: 0.0 ppm	
Span: 99.4 ppm	
COMMENTS: None	
SIGNATURE: Cody Badman	DATE: 12/5/2023

FIELD CALIBRATION FORM

Site Name: Crown Dykman

INSTRUMENT: RKI GX-6000	INSTRUMENT ID No: 212166
OPERATOR: C. Badman	WEATHER: Sunny, 37°F
SPAN GAS TYPE: 100 ppm Isobutylene	DATE: 12/5/2023
CALIBRATION NOTES:	
Zero: 0.0 ppm	
Span: 100.1 ppm	
COMMENTS: None	
SIGNATURE: Cody Badman	DATE: 12/5/2023

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

CALIBRATION
DATE: 12/4/2023
TIME: 1130
METER ID: 44013

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	6.20	3.96

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.06	4.55

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.0	0.0

COMMENTS

None.

SIGNATURE

Carson [illegible]

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

CALIBRATION
DATE: 12/4/2023
TIME: 1130
METER ID: 16856

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	7.11	3.91

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.51	4.51

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.9	0.0

COMMENTS

SIGNATURE

ZCassidy

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

CALIBRATION	
DATE:	12/5/2023
TIME:	0727
METER ID:	21194

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.45	3.96

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.03	4.58

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.7	0.0

COMMENTS

SIGNATURE

Cody Bolm

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

CALIBRATION
DATE: 12/15/2023
TIME: 0730
METER ID: 18804

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.20	3.93

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.44	4.64

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	2.4	0.1

COMMENTS

SIGNATURE

E Corsey

Appendix D

Groundwater Sampling Purge Logs

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-1	EA Personnel: K. Cassidy	Client: NYSDEC
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: Good	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time: 1430	Well Diameter (in): 2

Purge Date: 12/5/2023	Purge Time: 1338
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 11.70	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 3.07	E. Well Volume (gal) C*D): 1.40	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 8.63	F. Three Well Volumes (gal) (E3): 4.22	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	Temperature (oC)	pH (pH units)	ORP (mV)	Conductivity (S/m)±3%	Turbidity (ntu)	DO (mg/L)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1338	14.93	6.67	23	0.704	57.6	1.23		0.25	0
1341	15.32	6.65	20	0.759	52.5	0.00		0.25	0.75
1344	15.20	6.65	18	0.758	46.1	0.00		0.25	1.50
1347	15.22	6.63	19	0.759	33.1	0.00		0.25	2.25
1350	15.26	6.63	19	0.756	30.0	0.00		0.25	3.00
1353	15.32	6.63	20	0.738	19.9	0.00		0.25	3.75
1356	15.58	6.63	20	0.708	11.7	0.00		0.25	4.50
1359	15.66	6.62	20	0.706	10.5	0.00		0.25	5.25
1402	15.71	6.63	19	0.697	6.4	0.00		0.25	6.00
1405	15.81	6.63	19	0.695	5.3	0.00		0.25	6.75
1408	15.89	6.64	19	0.693	4.2	0.00		0.25	7.50
1411	15.87	6.64	19	0.692	3.9	0.00		0.25	8.25
1414								0.25	9.00

Total Quantity of Water Removed ~~(gal)~~:	9.00 L	Sampling Time:	1414
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/5/2023	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-1D	EA Personnel: CD, CB, KC	Client: NYSDEC NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: good	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1531	Well Diameter (in): 2" PVC

Purge Date: 12/5/23	Purge Time: 1433
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 19.10	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ -0.75 ft
B. Depth to Water (ft): 3.08	E. Well Volume (gal) C*D): 2.61	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 16.02	F. Three Well Volumes (gal) (E3): 7.83	Pump Intake Depth: mid-screen

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)
1433	15.32	6.16	23	0.677	47.0	2.72	—	0.25	—
1436	15.64	6.17	27	0.685	22.8	1.63			0.75
1439	15.63	6.09	29	0.692	13.2	1.36			1.50
1442	15.67	6.06	29	0.695	11.7	1.21			2.25
1445	15.63	6.03	28	0.701	11.3	1.13			3.00
1448	15.65	6.00	26	0.707	7.8	1.00			3.75
1451	15.72	5.98	24	0.711	7.3	0.94			4.50
1454	15.71	5.97	23	0.717	6.1	0.86			5.25
1457	15.90	5.95	22	0.719	5.5	0.82			6.00
1500	15.99	5.94	21	0.720	5.6	0.77			6.75
1503	15.86	5.92	21	0.726	4.7	0.72			7.50
1506	15.94	5.92	19	0.725	4.7	0.71			8.25
1509	15.91	5.92	16	0.727	4.5	0.69			9.00

Total Quantity of Water Removed (gal):	2.38 gal	Sampling Time:	1509
Samplers:	C. Derrick, C. Badman	Split Sample With:	✓
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.0 ppm
Sample ID: 130054-MW-1D-12052023
Analysis: VOCs, PFAs, 1,4-D

*DTW not recorded due to sampling for PFAs

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-2	EA Personnel: K. Cassidy, C. Badman	Client: NYSDEC 1
Location: Crown Dykman ~~Former Rome Cable Complex.~~ 1	Well Condition: Fair, missing j-plug	Weather: 51°F, mostly cloudy
Sounding Method:	Gauge Date: 12/4/2023	Measurement Ref: TSC
Stick Up/Down (ft): flush	Gauge Time:	Well Diameter (in): 2

Purge Date: 12/4/2023	Purge Time: 1214
Purge Method: low-flow	Field Technician: K. Cassidy

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: peristaltic
C. Liquid Depth (ft) (A-B):	F. Three Well Volumes (gal) (E3):	Pump Intake Depth:

Water Quality Parameters

Time (hrs)	Temperature (oC) ±3%	pH ±0.1 (pH units)	ORP (mV) ±10	Conductivity (S/m) ±3%	Turbidity (ntu) ±10%	DO (mg/L) ±10%	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1214	15.13	5.17	170	0.226	208	5.43		0.25	—
1217	15.31	5.65	150	0.205	166	5.29		0.25	0.75
1220	15.19	5.90	143	0.200	141	5.24		0.25	1.50
1223	15.14	5.95	142	0.200	161	5.26		0.25	2.25
1226	15.04	6.23	130	0.199	133	5.24		0.25	3.00
1229	14.98	6.30	126	0.199	109	5.30		0.25	3.75
1232	14.76	6.47	122	0.199	96.3	5.31		0.25	4.50
1235	14.74	6.49	121	0.199	90.8	5.38		0.25	5.25
1238	14.71	6.54	122	0.199	96.9	5.30		0.25	6.00
1241	14.65	6.57	118	0.198	83.1	5.32		0.25	6.75
1244	14.68	6.61	116	0.198	80.2	5.37		0.25	7.50
1247	14.60	6.65	114	0.198	59.2	5.38		0.25	8.25
1250	14.57	6.67	113	0.198	54.3	5.38		0.25	9.00
1253	14.51	6.69	112	0.198	44.0	5.40		0.25	9.75
1257	14.50	6.70	112	0.198	41.0	5.39		0.25	10.50
1300	14.47	6.71	112	0.199	43.2	5.40		025	11.25
~~1303~~									

Total Quantity of Water Removed (~~gal~~):	11.25L	Sampling Time:	1300
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/4/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-4R	EA Personnel: CD, KC, CB	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Ronte Cable Complex~~	Well Condition: good	Weather: 52°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/4/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1340	Well Diameter (in): 2" PVC

Purge Date: 12/4/23	Purge Time: 1207
Purge Method: lowflow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 19.47	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ -0.25 ft
B. Depth to Water (ft): 0.00	E. Well Volume (gal) C*D): 3.17	Pump Type: peri pump
C. Liquid Depth (ft) (A-B): 19.47	F. Three Well Volumes (gal) (E3): 9.52	Pump Intake Depth: mid-screen

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)
1207	15.96	5.87	34	0.696	132	1.06	—	0.25	—
1210	16.30	6.07	-23	0.679	97.6	0.97			0.75
1213	16.46	6.16	-60	0.681	74.7	0.89			1.50
1216	16.55	6.20	-80	0.689	21.6	0.83			2.25
1219	16.66	6.22	-89	0.688	14.7	0.80			3.00
1222	16.77	6.24	-97	0.691	11.9	0.78			3.75
1225	16.81	6.26	-103	0.693	10.8	0.76			4.50
1228	16.76	6.27	-107	0.698	9.6	0.74			5.25
1231	16.63	6.29	-111	0.682	7.3	0.72			6.00
1234	16.60	6.29	-115	0.673	6.9	0.70			6.75
1237	16.59	6.29	-114	0.681	8.5	0.69			7.50
1240	16.57	6.29	-114	0.686	7.1	0.69			8.25
1243	16.68	6.29	-116	0.692	5.0	0.68			9.00
1246	16.75	6.29	-117	0.686	4.8	0.67			9.75
1249	16.88	6.30	-118	0.686	5.1	0.66			10.50

Total Quantity of Water Removed (gal):	2.77 gal	Sampling Time:	1249
Samplers:	C. Derrick, C. Badman	Split Sample With:	MS/MSD
Sampling Date:	12/4/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.0 ppm
SAMPLE ID: 130054-MW-4R-12042023
Sample analysis: VOCs, PFAS, 1,4-D

* DTW not recorded due to sampling for PFAS

* MS/MSD sample *

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-5R	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex 4~~	Well Condition: good	Weather: 51°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/4/23	Measurement Ref: TOIC
Stick Up/Down (ft): ~2.5ft	Gauge Time: 1502	Well Diameter (in): 2" PVC

Purge Date: 12/4/23	Purge Time: 1358
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 24.82	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ -0.25 ft
B. Depth to Water (ft): 9.62	E. Well Volume (gal) C*D): 2.48	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 15.20	F. Three Well Volumes (gal) (E3): 7.43	Pump Intake Depth: mid-screen

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)
1358	16.62	6.24	99	0.739	>1000	1.77	—	0.25	—
1401	16.28	6.03	112	0.738	379	1.38			0.75
1404	16.13	5.98	134	0.740	134	1.24			1.50
1407	16.07	5.96	148	0.740	77.4	1.18			2.25
1410	16.05	5.96	153	0.742	66.0	1.12			3.00
1413	15.97	5.96	159	0.742	56.4	1.11			3.75
1416	15.76	5.95	157	0.744	53.0	1.08			4.50
1419	15.82	5.95	155	0.746	52.3	1.06			5.25
1422	15.77	5.95	154	0.746	50.2	1.05			6.00
1425	15.42	5.94	163	0.748	49.7	1.09			6.75
1428	15.95	5.94	171	0.753	41.9	0.96			7.50
1431	16.08	5.93	173	0.756	37.9	0.91			8.25
1434	16.19	5.94	182	0.757	33.1	0.88			9.00
1437	16.18	5.93	185	0.757	31.6	0.85			9.75
1440	16.15	5.94	187	0.756	25.6	0.82			10.50
1443	16.19	5.93	189	0.757	25.1	0.80			11.25
1446	16.16	5.94	190	0.756	23.3	0.78			12.00

Total Quantity of Water Removed (gal):	3.17	Sampling Time:	1446
Samplers:	C. Derrick, C. Badman	Split Sample With:	∞
Sampling Date:	12/4/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.0 ppm
SAMPLE ID: 130054-MW-5R-12042023
ANALYSIS: VOCs, PFAS, 1,4-D

*DTW not recorded due to sampling for PFAS

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7BS	Personnel: K Cassidy, C. Badman	Client: NYSDEC
Location: Crown Dykman	Well Condition: Good	Weather: 51°F, partly cloudy
Sounding Method:	Gauge Date: 12/4/2023 Gauge Time:	Measurement Ref: TOC
Stick Up/Down (ft): flush	PID Headspace Reading: 13.9	Well Diameter (in): 2

Purge Date: 12/4/2023	Purge Time: 1347
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 19.00	D. Well Volume (gal/ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.01	E. Well Volume (gal) (C*D): 1.95	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 11.99	F. Three Well Volumes (gal) (E*3): 5.86	Pump Intake Depth: mid-screen

Water Quality Parameters

Time (hrs)	pH (pH units)	Conductivity (mS/cm)	Turbidity (ntu)	DO (mg/L)	Temperature (°C)	ORP (mV)	DTW (ft btoc)	Rate (Lpm)	Volume (liters)
1347	6.11	0.547	88.8	0.00	16.82	49		0.25	—
1350	6.00	0.543	80.1	0.00	17.49	-1		0.25	0.75
1353	5.84	0.545	51.2	0.00	17.54	-11		0.25	1.50
1356	5.83	0.545	25.0	0.00	17.52	-11		0.25	2.25
1359	5.83	0.545	23.2	0.00	17.48	-12		0.25	3.00
1402	5.82	0.545	22.0	0.00	17.42	-13		0.25	3.75
1405	5.82	0.546	20.2	0.00	17.41	-13		0.25	4.50
1408	5.82	0.547	15.7	0.00	17.40	-13		0.25	5.25
1411	5.81	0.547	12.9	0.00	17.39	-13		0.25	6.00
1414	5.81	0.547	11.0	0.00	17.39	-13		0.25	6.75
1417	5.81	0.547	9.4	0.00	17.39	-14		0.25	7.50
1420	5.81	0.548	7.8	0.00	17.40	-14		0.25	8.25
1423	5.81	0.548	6.1	0.00	17.43	-15		0.25	9.00
1426	5.81	0.548	5.0	0.00	17.45	-14		0.25	9.75
1429	5.81	0.548	4.1	0.00	17.47	-15		0.25	10.50
1432	5.81	0.548	2.5	0.00	17.48	-14		0.25	11.25

Total Quantity of Water Removed (~~gal~~):	12.00 L	Sampling Time:	1435
Samplers:	KC	Split Sample With:	FD
Sampling Date:	12/4/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS:

Volume of Water In Casing (gallons/foot):	1" well: 0.041	2" well: 0.163	4" well: 0.653	6" well: 1.469	
Sample Parameter Stabilization Criteria:	Temp.: ±3%	pH: ±0.1	Cond.: ±3%	ORP: ±10 mV	DO/NTU: ±10%

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7RS	EA Personnel:	Client: NYSDEC
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
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)
1435	17.49	5.81	-14	0.548	2.0	0.00		0.25	12.00

Total Quantity of Water Removed (gal):		Sampling Time:	1435
Samplers:	KC	Split Sample With:	
Sampling Date:		Sample Type:	

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7D	EA Personnel: K. Cassidy, C. Bodra	Client: NYSDEC
Location: Crown Dyeman ~~Former Rome Cable Complex 1~~	Well Condition: Good	Weather: 50°F, Mostly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/4/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time:	Well Diameter (in): 2

Purge Date: 12/4/2023	Purge Time: 1532
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 22.88	D. Well Volume (ft): 0.163 ~~2.40 L~~	Depth/Height of Top of PVC:
B. Depth to Water (ft): 8.14	E. Well Volume (gal) C*D): 2.40	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 14.74	F. Three Well Volumes (gal) (E3): 7.21	Pump Intake Depth: Mid-screen

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)
1532	15.51	5.89	122	0.611	496	0.00		0.25	—
1535	16.69	5.79	119	0.615	391	0.00		0.25	0.75
1538	16.71	5.72	119	0.614	360	0.00		0.25	1.50
1541	16.79	5.68	117	0.599	259	0.00		0.25	2.25
1544	17.00	5.62	112	0.575	206	0.00		0.25	3.00
1547	17.02	5.62	112	0.573	204	0.00		0.25	3.75
1550	17.10	5.62	101	0.557	170	0.00		0.25	4.50
1553	17.16	5.63	95	0.554	183	0.00		0.25	5.25
1556	17.19	5.64	88	0.554	149	0.00		0.25	6.00
1559	17.30	5.65	68	0.553	140	0.00		0.25	6.75
1602	17.41	5.68	41	0.554	139	0.00		0.25	7.50
1605	17.51	5.71	22	0.558	132	0.00		0.25	8.25
1608	17.57	5.74	4	0.562	116	0.00		0.25	9.00
1611	17.65	5.76	0	0.5~~68~~	115	0.00		0.25	9.75
1614	17.70	5.77	-17	0.570	98.6	0.00		0.25	10.50
1617	17.72	5.79	-24	0.572	103	0.00		0.25	11.25
1620									~~12.00~~

Total Quantity of Water Removed (~~gal~~):	18.00 L	Sampling Time:	1650
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/4/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID = 2.8
Flushed Horiba @ 1620; pump off

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-7D	EA Personnel: K. Cassidy, C. Bodman	Client: NYSDEC
Location: ~~Former Rome Cable Complex 1~~ Crown Dykman	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
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)
1626	17.15	5.93	9	0.578	339	0.00		0.25	12.00
1629	17.44	5.88	-6	0.585	207	0.00		0.25	12.75
1632	17.54	5.87	-21	0.587	151	0.00		0.25	13.50
1635	17.55	5.86	-37	0.588	102	0.00		0.25	14.25
1638	17.62	5.85	-46	0.591	89.2	0.00		0.25	15.00
1641	17.64	5.86	-48	0.591	88.4	0.00		0.25	15.75
1644	17.67	5.87	-59	0.593	69.8	0.00		0.25	16.50
1647	17.71	5.87	-59	0.593	68.2	0.00		0.25	17.25
1650	17.71	5.87	-62	0.593	66.9	0.00		0.25	18.00
~~1653~~									~~18.75~~ KC

Total Quantity of Water Removed (gal):		Sampling Time:	1650
Samplers:		Split Sample With:	
Sampling Date:		Sample Type:	

COMMENTS AND OBSERVATIONS:

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-8	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: good	Weather: 49°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/4/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1705	Well Diameter (in): 2" PVC

Purge Date: 12/4/23	Purge Time: 1616
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 14.55	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~0.25 ft
B. Depth to Water (ft): 5.83	E. Well Volume (gal) C*D): 1.42	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 8.72	F. Three Well Volumes (gal) (E3): 4.26	Pump Intake Depth: mid-screen

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)
1616	15.66	6.26	-76	0.825	35.6	0.93	—	0.25	—
1619	16.29	6.24	-90	0.823	22.0	0.67			0.75
1622	16.46	6.24	-94	0.826	18.7	0.63			1.50
1625	16.53	6.24	-98	0.829	16.2	0.58			2.25
1628	16.69	6.25	-101	0.832	14.9	0.56			3.00
1631	16.91	6.25	-104	0.832	13.5	0.53			3.75
1634	16.85	6.25	-106	0.841	14.1	0.53			4.50
1637	16.81	6.25	-107	0.841	14.9	0.52			5.25
1640	16.79	6.25	-109	0.850	17.9	0.53			6.00
1643	16.83	6.25	-110	0.858	18.2	0.51			6.75
1646	16.86	6.25	-112	0.862	19.5	0.50			7.50

Total Quantity of Water Removed (gal):	1.98	Sampling Time:	1646
Samplers:	C. Derrick, C. Badman	Split Sample With:	∝
Sampling Date:	12/4/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS: Oil sheen observed in water
PID: 357 ppm
SAMPLE ID: 130054-MW-8-120423* DTW not recorded due to PFAS sampling
Analysis: VOCs, PFAs, 1,4-D

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-11	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: good	Weather: 49°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1451	Well Diameter (in): 1" PVC

Purge Date: 12/4/23	Purge Time: 1524
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 9.15	D. Well Volume (ft): 0.041	Depth/Height of Top of PVC: ~-1 ft
B. Depth to Water (ft): 4.40	E. Well Volume (gal) C*D): 0.19	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 4.75	F. Three Well Volumes (gal) (E3): 0.58	Pump Intake Depth: mid-screen

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)
1524	13.74	6.59	150	0.237	>1000	5.73	—	0.25	—
1527	14.02	6.68	81	0.240	657	3.56			0.75
1530	14.36	6.74	-3	0.241	290	3.25			1.50
1533	14.45	6.74	-21	0.251	191	2.33			2.25
1536	14.78	6.62	-56	0.286	148	1.32			3.00
1539	14.92	6.55	-89	0.312	312	9.28			3.75
1542	14.74	6.57	-100	0.313	228	9.05			4.50
1545	14.67	6.61	-101	0.333	187	9.60			5.25
~~1548~~									~~6.00~~
1551				DRY					6.75

Total Quantity of Water Removed (gal):	1.39	Sampling Time:	0919
Samplers:	C. Derrick, C. Badman	Split Sample With:	∝
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.0 ppm
SAMPLE ID: 130054-MW-11-120~~5~~2023
Analysis: VOCs, PFAs, 1,4-D

* DTW not recorded due to sampling for PFAS

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21S	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dyeman ~~Former Rome Cable Complex 1~~	Well Condition: good	Weather: 38°F, clear
Sounding Method: Heron WLM	Gauge Date: CD ~~0913~~ 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 0913	Well Diameter (in): 2" PVC

Purge Date: 12/5/23	Purge Time: 0802
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 11.83	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~0.25 ft
B. Depth to Water (ft): 1.22	E. Well Volume (gal) C*D): 1.73	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 10.61	F. Three Well Volumes (gal) (E3): 5.19	Pump Intake Depth: mid-screen

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)
0802	10.05	6.04	168	0.650	>1000	4.93	—	0.25	—
0805	9.83	5.92	165	0.690	665	3.47			0.75
0808	10.21	5.89	165	0.707	434	3.22			1.50
0811	10.56	5.88	165	0.755	319	2.72			2.25
0814	10.74	5.88	165	0.758	182	2.68			3.00
0817	10.97	5.88	165	0.768	116	2.65			3.75
0820	11.11	5.88	165	0.777	68.5	2.36			4.50
0823	11.25	5.88	165	0.795	54.7	1.99			5.25
0826	11.53	5.87	165	0.800	39.7	2.06			6.00
0829	11.62	5.87	164	0.801	29.7	1.72			6.75
0832	11.56	5.87	163	0.811	30.3	1.68			7.50
0835	11.72	5.87	162	0.812	22.1	1.51			8.25
0838	11.78	5.87	162	0.812	20.2	1.72			9.00
0841	11.92	5.87	161	0.820	19.6	1.64			9.75
0844	11.98	5.87	160	0.828	20.1	1.53			10.50
0847	12.03	5.87	158	0.830	14.8	1.48			11.25
0850	12.09	5.87	158	0.829	14.4	1.46			12.00

Total Quantity of Water Removed (gal):	3.37 gal	Sampling Time:	0853
Samplers:	C. Derrick, C. Badman	Split Sample With:	✗
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.0 ppm
SAMPLE ID: 130054-MW-21S-12052023
Analysis: VOCs, PFAs, 1,4-D

*DTW not recorded due to sampling for PFAs

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GROUNDWATER SAMPLING PURGE FORM

page 2 of 2

Well I.D.: MW-21S	EA Personnel:	Client: NYSDEC
Location: ~~Former Rome Cable Complex 1~~	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date: refer to page 1	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)
0853	12.21	5.87	157	0.830	13.8	1.39	—	0.25	12.75

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

COMMENTS AND OBSERVATIONS:

refer to page 1

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21D	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex~~	Well Condition: good	Weather: 40°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: ~~H27~~ CD 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1127	Well Diameter (in): 2" PVC

Purge Date: 12/5/23	Purge Time: 0958
Purge Method: low flow peripump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 19.95	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ -0.25 ft
B. Depth to Water (ft): 15.20	E. Well Volume (gal) C*D): 0.77	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 4.75	F. Three Well Volumes (gal) (E3): 2.32	Pump Intake Depth: mid-screen

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)
0958	10.68	6.35	151	0.495	73.7	6.88	—	0.25	—
1001	11.84	6.42	149	0.483	38.7	6.26			0.75
1004	12.31	6.44	148	0.479	24.4	5.99			1.50
1007	12.54	6.45	147	0.478	13.8	6.13			2.25
1010	12.73	6.46	147	0.477	11.2	5.92			3.00
1013	12.83	6.47	146	0.475	11.2	5.75			3.75
1016	12.75	6.47	146	0.475	9.4	6.14			4.50
1019	12.89	6.48	146	0.476	10.0	5.97			5.25
1022	13.04	6.49	146	0.475	9.9	6.02			6.00
1025	13.23	6.53	145	0.470	11.3	6.72			6.75
1028	13.49	6.53	145	0.474	12.8	6.90			7.50
1031	13.73	6.51	146	0.470	11.3	11.20			8.25
1034	13.74	6.52	148	0.479	10.9	11.15			9.00
1037	13.91	6.27	159	0.788	15.3	10.88			9.75
1040	14.08	6.25	157	0.709	17.0	10.62			10.50
1043	14.22	6.28	158	0.634	14.1	10.38			11.25
1046	14.22	6.26	159	0.667	16.9	10.33			12.00

Total Quantity of Water Removed (gal):	4.56 gal	Sampling Time:	1107
Samplers:	C. Derrick, C. Badman	Split Sample With:	~~2~~
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 0.7 ppm
SAMPLE ID: 130054-MW-21D-12052023
ANALYSIS: VOCs, PFAs, 1,4-D

- Oil sheen on water @ start purge
- Well casing full of water

*DTW not recorded due to sampling for PFAs

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21D	EA Personnel:	Client: NYSDEC
Location: ~~Turner Rene Cable Complex 1~~	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date: refer to page 1	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)
1049	14.59	6.24	160	0.697	17.8	9.89	—	0.25	12.75
1052	14.58	6.22	160	0.716	18.4	9.80			13.50
1055	14.68	6.31	157	0.600	17.2	9.61			14.25
1058	14.33	6.24	163	0.779	34.8	9.69			15.00
1101	14.23	6.15	166	0.908	30.1	9.52			15.75
1104	14.21	6.13	166	0.909	32.0	9.31			16.50
1107	14.21	6.11	167	0.907	33.0	9.12			17.25

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

COMMENTS AND OBSERVATIONS:

Refer to page 1

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-22RS	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: good	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1254	Well Diameter (in): 2 PVC

Purge Date: 12/5/23	Purge Time: 1200
Purge Method: low flow peri pump	Field Technician: C. Derrick, K. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 21.29	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~-0.25 ft
B. Depth to Water (ft): 6.61	E. Well Volume (gal) C*D): 2.39	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 14.68	F. Three Well Volumes (gal) (E3): 7.18	Pump Intake Depth: mid-screen

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)
1200	14.96	6.31	170	0.800	488	2.17	—	0.25	—
1203	15.07	6.24	100	0.819	90.2	1.37			0.75
1206	14.90	6.22	50	0.823	45.7	1.13			1.50
1209	14.87	6.22	42	0.825	40.2	1.06			2.25
1212	14.81	6.21	36	0.825	27.0	1.01			3.00
1215	14.98	6.21	33	0.821	22.3	0.98			3.75
1218	15.06	6.21	32	0.820	19.7	0.94			4.50
1221	15.08	6.21	31	0.819	19.3	0.92			5.25
1224	15.08	6.21	28	0.816	13.4	0.91			6.00
1227	15.09	6.21	27	0.815	13.8	0.87			6.75
1230	15.10	6.22	27	0.811	13.0	0.83			7.50

Total Quantity of Water Removed (gal):	1.98 gal	Sampling Time:	1230
Samplers:	C. Derrick, C. Badman	Split Sample With:	✓
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID ≈ 1.0 ppm
Sample ID: 130054-MW-22RS-12052023
Analysis: VOCs, PFAS, 1,4-D

*DTW not recorded due to sampling for PFAS

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-22RD	EA Personnel: CD, CB, KC	Client: NYSDEC, NYSDEC #130054
Location: Crown Dykman ~~Former Rome Cable Complex~~	Well Condition: good **	Weather: 42°F, mostly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/23	Measurement Ref: TOIC
Stick Up/Down (ft): flush	Gauge Time: 1423	Well Diameter (in): 2" PVC

Purge Date: 12/5/23	Purge Time: 1302
Purge Method: low flow peri pump	Field Technician: C. Derrick, C. Badman, K. Cassidy

Well Volume

A. Well Depth (ft): 30.14	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: ~ -0.25 ft
B. Depth to Water (ft): 3.92	E. Well Volume (gal) C*D): 4.27	Pump Type: peristaltic pump
C. Liquid Depth (ft) (A-B): 26.22	F. Three Well Volumes (gal) (E3): 12.82	Pump Intake Depth: mid-screen

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)
1302	14.43	9.88	-96	0.602	76.9	4.70	—	0.25	—
1305	14.42	9.77	-61	0.531	58.4	2.52			0.75
1308	14.55	9.08	-172	0.539	43.5	2.04			1.50
1311	14.85	7.70	-85	0.714	41.4	2.01			2.25
1314	14.85	7.39	-79	0.746	38.8	1.19			3.00
1317	14.80	6.71	-77	0.791	30.6	1.00			3.75
1320	14.71	6.38	-79	0.802	32.1	0.92			4.50
1323	14.72	6.22	-81	0.826	35.0	0.86			5.25
1326	14.75	6.14	-81	0.842	33.8	0.80			6.00
1329	14.90	6.09	-81	0.846	28.6	0.77			6.75
1332	14.85	6.05	-82	0.850	24.4	0.75			7.50
1335	14.92	6.01	-81	0.853	26.3	0.67			8.25
1338	15.01	5.99	-82	0.864	23.2	0.89			9.00
1341	15.01	5.99	-81	0.865	22.8	0.99			9.75
1344	15.01	5.97	-81	0.867	21.9	1.20			10.50
1347	15.28	5.95	-81	0.860	20.4	1.12			11.25
1350	15.23	5.94	-80	0.865	19.6	0.78			12.00

Total Quantity of Water Removed (gal):	3.76	Sampling Time:	1359
Samplers:	C. Derrick, C. Badman	Split Sample With:	~~X~~
Sampling Date:	12/5/23	Sample Type:	grab

COMMENTS AND OBSERVATIONS:
PID: 1.9 ppm
SAMPLE ID: 130054-MW-22RD-12052023
Analysis: VOCs, PFAS, 1,4-D

** PVC cracked/broken

*DTW not recorded due to sampling for PFAS

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-22RD	EA Personnel:	Client: NYSDEC
Location: ~~Former Rome Cable Complex 1~~	Well Condition:	Weather:
Sounding Method:	Gauge Date:	Measurement Ref:
Stick Up/Down (ft):	Gauge Time:	Well Diameter (in):

Purge Date: refer to page 1	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)
1353	15.17	5.93	-80	0.872	20.1	0.71	—	0.25	12.75
1356	15.17	5.92	-79	0.877	20.0	0.70			13.50
1359	15.18	5.91	-79	0.883	19.3	0.77			14.25

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

COMMENTS AND OBSERVATIONS: Refer to page 1

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-25RS	EA Personnel: K. Cassidy, C. Bodmer	Client: NYSDEC
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: Good	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time: 1215	Well Diameter (in): 2

Purge Date: 12/5/2023	Purge Time: 1120
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 16.60	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 3.45	E. Well Volume (gal) C*D): 2.14	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 13.15	F. Three Well Volumes (gal) (E3): 6.43	Pump Intake Depth: mid-screen

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)
1120	13.61	6.71	80	0.592	60.7	0.63		0.25	0
1123	14.39	6.50	73	0.615	64.3	0.00		0.25	0.75
1126	14.64	6.45	70	0.622	53.1	0.00		0.25	1.50
1129	14.67	6.43	68	0.628	61.2	0.00		0.25	2.25
1132	14.86	6.40	64	0.634	55.8	0.00		0.25	3.00
1135	14.96	6.39	58	0.632	45.4	0.00		0.25	3.75
1138	14.99	6.37	51	0.633	37.7	0.00		0.25	4.50
1141	15.08	6.37	44	0.635	37.6	0.00		0.25	5.25
1144	15.13	6.37	43	0.639	32.2	0.00		0.25	6.00
1147	15.15	6.37	43	0.639	34.5	0.00		0.25	6.75
1150	15.06	6.37	42	0.632	31.1	0.00		0.25	7.50

Total Quantity of Water Removed ~~(gal)~~:	7.50L	Sampling Time:	1150
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/5/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID = 2.5 ppb

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-25RD	EA Personnel: K. Cassidy, C. Badman	Client: NYSDEC
Location: Crown Dykman ~~Former Rome Cable Complex 1~~	Well Condition: Good	Weather: 42°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time: 1300	Well Diameter (in): 2

Purge Date: 12/5/2023	Purge Time: 1220
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): 26.39	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 6.05	E. Well Volume (gal) C*D): 3.32	Pump Type: Peristaltic
C. Liquid Depth (ft) (A-B): 20.34	F. Three Well Volumes (gal) (E3): 9.95	Pump Intake Depth: mid-screen

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)
1220	15.82	6.49	-80	0.653	81.5	0.00	—	0.25	—
1223	16.50	6.44	-95	0.650	20.6	0.00	—	0.25	0.75
1226	16.60	6.43	-102	0.656	15.1	0.00	—	0.25	1.50
1229	16.72	6.44	-110	0.662	7.3	0.00	—	0.25	2.25
1232	16.71	6.44	-111	0.662	6.6	0.00	—	0.25	3.00
1235	16.82	6.47	-118	0.669	4.7	0.00	—	0.25	3.75
1238	16.83	6.49	-121	0.674	2.0	0.00	—	0.25	4.50
1241	16.83	6.51	-123	0.677	0.0	0.00	—	0.25	5.25
1244	16.89	6.53	-125	0.680	0.0	0.00	—	0.25	6.00
1247	16.87	6.53	-125	0.681	0.0	0.00	—	0.25	6.75

Total Quantity of Water Removed (gal):	6.75L	Sampling Time:	1247
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/5/2023	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-30S	EA Personnel: K Cassidy, C. Bodman	Client: NYSDEC
Location: Crown Plyman ~~Former Rome Cable Complex 1~~	Well Condition: Good	Weather: 40°F, partly cloudy
Sounding Method: Heron WLM	Gauge Date: 12/5/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time:	Well Diameter (in): 2

Purge Date: 12/5/2023	Purge Time: 0814
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): ~~20.00~~ 20.30	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 16.36	E. Well Volume (gal) C*D): 0.642	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 3.94	F. Three Well Volumes (gal) (E3): 1.93	Pump Intake Depth: mid-screen

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)
0814	15.03	5.96	187	0.665	130	1.01		0.25	0
0817	16.00	6.27	170	0.666	156	1.13		0.25	0.75
0820	16.06	6.46	155	0.660	144	1.52		0.25	1.50
0823	15.86	6.63	144	0.662	126	1.55		0.25	2.25
0826	15.36	6.64	137	0.662	126	1.51		0.25	3.00
0829	16.44	6.87	93	0.663	101	1.53		0.25	3.75
0832	16.28	7.01	54	0.664	100	1.52		0.25	4.50
0835	16.38	7.10	30	0.666	86.5	1.55		0.25	5.25
0838	16.56	7.11	19	0.668	91.6	1.57		0.25	6.00
0841	16.56	7.12	18	0.669	116	1.57		0.25	6.75
0844	16.62	7.16	3	0.675	115	1.57		0.25	7.50
0847	16.74	7.19	-6	0.681	107	1.60		0.25	8.25
0850	16.87	7.22	-8	0.686	114	1.58		0.25	9.00
0853	16.99	7.24	-6	0.688	96.8	1.64		0.25	9.75
0856	well	went	dry					0.25	10.50
~~0859~~								~~0.25~~	~~11.25~~
~~0902~~								~~0.25~~	~~12.00~~

Total Quantity of Water Removed (~~gal~~):	10.50L	Sampling Time:	1030
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/5/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS: well went dry @0856
Sampled

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-30D	EA Personnel: K. Cassidy, C. Boetman	Client: NYSDEC
Location: ~~Former Rome Cable Complex 1~~ Crown Pykman	Well Condition: Good	Weather: 40°F, partly cloudy
Sounding Method: Heron GLM	Gauge Date: 12/5/2023	Measurement Ref: TOC
Stick Up/Down (ft): flush	Gauge Time: 1100	Well Diameter (in): 2

Purge Date: 12/5/2023	Purge Time: 0918
Purge Method: low-flow	Field Technician: K. Cassidy

Well Volume

A. Well Depth (ft): (KC) ~~30.00~~ 29.83	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC:
B. Depth to Water (ft): 7.31	E. Well Volume (gal) C*D): 3.67	Pump Type: peristaltic
C. Liquid Depth (ft) (A-B): 22.52	F. Three Well Volumes (gal) (E3): 0.489	Pump Intake Depth: mid-screen

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)
0918	15.96	7.37	-10	0.713	36.4	0.00		0.25	0
0921	16.94	7.18	-104	0.718	21.4	0.00		0.25	0.75
0924	17.10	7.17	-122	0.715	54.2	0.00		0.25	1.50
0927	17.25	7.14	-122	0.713	84.6	0.00		0.25	2.75
0930	17.21	~~0~~ 7.12	-114	0.711	119	0.00		0.25	3.00
0933	17.15	7.10	-106	0.708	103	0.00		0.25	3.75
0936	17.30	7.10	-110	0.709	24.9	0.00		0.25	4.50
0939	17.33	7.10	-111	0.710	19.4	0.00		0.25	5.25
0942	17.54	7.09	-117	0.711	9.8	0.00		0.25	6.00
0945	17.49	7.09	-119	0.711	6.5	0.00		0.25	6.75
0948	17.51	7.09	-123	0.709	4.3	0.00		0.25	7.50
0951	17.35	7.09	-126	0.711	1.0	0.00		0.25	8.25
0954	17.35	7.09	-128	0.711	1.1	0.00		0.25	9.00

Total Quantity of Water Removed (gal):	9.00L	Sampling Time:	0954
Samplers:	KC	Split Sample With:	—
Sampling Date:	12/5/2023	Sample Type:	grab

COMMENTS AND OBSERVATIONS: PID = 1.3 ppm

Appendix E

Chain-of-Custody

SGS

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 West 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): Cody Badman Phone #:

Project Information

Project Name: Crown Dykman
Street: 66 Herb Hill Road
City: Glen Cove, State: NY
Project #: 1602534/0009/B
Client Purchase Order #:
Project Manager:
Billing Information (If different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

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	V8260 TCL 20+	LCID1633 LIST 40	B8270 SIM14DIOX	LAB USE ONLY
	130054-MW-4R-12042023		12/4/23	12:49	CB	G		GW	24	X				X				X	X	X	
	130054-MW-2-12042023		12/4/23	13:00	CB	G		GW	8	X				X				X	X	X	
	130054-MW-7RS-12042023		12/4/23	14:35	CB	G		GW	8	X				X				X	X	X	
	130054-MW-5R-12042023		12/4/23	14:46	CB	G		GW	8	X				X				X	X	X	
	130054-MW-8-12042023		12/4/23	16:46	CB	G		GW	8	X				X				X	X	X	
	130054-MW-7D-12042023		12/4/23	16:56	CB	G		GW	8	X				X				X	X	X	
	130054-DUP-01-12042023		12/4/23	—	CB	G		GW	8	X				X				X	X	X	
	130054-RB-01-12042023		12/4/23	17:00	CB	G		RB	8	X				X				X	X	X	
	130054-MW-21S-12052023		12/5/23	08:53	CB	G		GW	8	X				X				X	X	X	
	130054-MW-11-12052023		12/5/23	09:19	CB	G		GW	8	X				X				X	X	X	
	130054-MW-30D-12052023		12/5/23	09:54	CB	G		GW	8	X				X				X	X	X	
	130054-MW-30S-12052023		12/5/23	10:30	CB	G		GW	8	X				X				X	X	X	

pH Check (Lab Use Only)

Turn Around Time (Business Days)

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

Approved By (SGS PM) / Date: _____

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
- [ ] NYASP Category B
- [ ] MA MCP Criteria _____
- [ ] CT RCP Criteria _____
- [ ] State Forms
- [x] EDD Format NYSDEC Equis

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

Comments / Special Instructions

☆ Extra volume included for MS/MSD for Sample ID: 130054-MW-4R-12042023

Cat B deliverable requested

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 Cody Badman	12/6/23 1400	1	2		2
3		3	4		4
5		5			

Custody Seal #: ☐ Intact ☐ Not intact ☐ Absent

Therm ID: See Sample Receipt Summary ☐ On Ice Cooler Temp. °C

SGS

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: 209 West 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): Cody Badman Phone #:

Project Information

Project Name: Crown Dykman
Street: 66 Herb Hill Road
City: Glen Cove State: NY
Project #: 1602534/0009/B
Client Purchase Order #:
Project Manager:
Attention:

Billing Information (if different from Report to)

Company Name:
Street Address:
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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	VOC TCL 20+	LCID 1633 LIST40	8270 SIM14 DIOX	LAB USE ONLY
	130054-MW-21D-12052023		12/5/23	11:07	CB	G		GW	8	X				X				X	X	X	
	130054-MW-25RS-12052023		12/5/23	11:50	CB	G		GW	8	X				X				X	X	X	
	130054-MW-22RS-12052023		12/5/23	12:30	CB	G		GW	8	X				X				X	X	X	
	130054-MW-25RD-12052023		12/5/23	12:47	CB	G		GW	8	X				X				X	X	X	
	130054-MW-22RD-12052023		12/5/23	13:59	CB	G		GW	8	X				X				X	X	X	
	130054-MW-1-12052023		12/5/23	14:14	CB	G		GW	8	X				X				X	X	X	
	130054-MW-1D-12052023		12/5/23	15:09	CB	G		GW	8	X				X				X	X	X	
	130054-RB-02-12052023		12/5/23	15:15	CB	G		RB	8	X				X				X	X	X	
	130054-TB-01-12052023		12/5/23	08:00	CB	G		TB	2	X								X			

Turn Around Time (Business Days)

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

Approved By (SGS PM) / Date:

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
- [ ] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format NYSDEC Equis

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

Comments / Special Instructions

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1 Cody Badman	12/6/23 1400	1	2		2
3		3	4		4
5		5			

Custody Seal #: [ ] Intact [ ] Not intact [ ] Absent

Therm ID: See Sample Receipt Summary | On Ice [ ] | Cooler Temp. °C