Site Inspection and Groundwater Monitoring Report (October 2024 Event) Liberty Industrial Finishing (152108) Islip, New York

Prepared for

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

NEW YORK STATE | Department of Environmental Conservation

Prepared by

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

March 2025
Version: FINAL
EA Project No. 16025-34-00-CP

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7 March 2025

Donald Conan, P.E., P.G., Program Manager
EA Engineering, P.C.

Date

7 March 2025

Adam Etringer, Senior Project Manager
EA Science and Technology

Date

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µg/L	Microgram(s) per liter
AWQS	Ambient Water Quality Standard
bgs	Below ground surface
COC	Contaminant(s) of Concern
DO	Dissolved oxygen
EA	EA Engineering, P.C. and its affiliate EA Science and Technology
EPA	U.S. Environmental Protection Agency
ft	Foot/feet
mg/L	Milligrams per liter
MS	Matrix spike
MSD	Matrix spike duplicate
ng/L	Nanograms per liter
No.	Number
NTU	Nephelometric turbidity units
NYCRR	New York Codes, Rules, and Regulations
NYSDEC	New York State Department of Environmental Conservation
ORP	Oxidation reduction potential
P.E.	Professional Engineer
P.G.	Professional Geologist
PFOA	Perfluorooctanoic acid
PFOS	Perfluorooctanesulfonic acid
PFAS	Per- and polyfluoroalkyl substances
QA	Quality assurance
QC	Quality control
SMP	Site Management Plan
TAL	Target analyte list
RA	Remedial action
ROD	Record of Decision
UST	Underground storage tank

1. INTRODUCTION

The New York State Department of Environmental Conservation (NYSDEC) tasked EA Engineering, P.C. and its affiliate EA Science and Technology (EA) to perform Remedial Action (RA) activities at the Liberty Industrial Finishing Site (Site) (NYSDEC Site Number [No.] 152108), which includes long-term groundwater monitoring and maintenance of the off-site groundwater monitoring well network. The RA activities are being conducted under the NYSDEC Division of Environmental Remediation Contract Work Assignment No. D009806-22. The responsible party conducts Site inspections and long-term groundwater monitoring and maintenance of on-site wells.

This report documents the off-site groundwater monitoring event conducted in October 2024, which included inspection and sampling of 8 off-site wells (MW-10, MW-12, MW-14, MW-16, MW-18, MW-19, MW-20, and MW-21). Samples were collected for analysis of Target Analyte List (TAL) metals. NYSDEC also requested that samples be analyzed for per- and polyfluoroalkyl substances (PFAS). The site inspection and groundwater monitoring activities were completed in accordance with the applicable guidelines and requirements of NYSDEC.

The October 2024 event was scheduled to coincide with the responsible party's Site inspection and on-site groundwater monitoring event, the results of which are documented in a separate report.

1.1 BACKGROUND

The Liberty Industrial Finishing Site (NYSDEC Site No. 152108) is located at 550 Suffolk Avenue, Brentwood, in the town of Islip, Suffolk County, New York (**Figure 1**). The Site encompasses approximately 3.9 acres in a residential/commercial area north of the Long Island Railroad and the Town of Islip athletic fields (**Figure 2**). The Site currently has an asphalt cap and fast food restaurant. The water supply wells for the Brentwood Water District are less than 500 feet south of the Site.

Liberty Industrial Finishing Products was a metal finishing facility engaged in finishing and plating components used primarily in the aircraft industry from 1978 through 1997. Metal finishing activities included passivation, phosphatizing, electroplating, conversion coating, anodizing, painting, and non-destructive testing. When active, the industrial operation at the Site included a 30,000-square foot factory building, 6 underground storage tanks (USTs) ranging from 3,000 to 7,000 gallons in capacity and used for plating process water and wastewater, sanitary leaching pools, and stormwater drywells. The USTs were equipped with overflow pipes that discharged to the on-site leaching pools.

A Record of Decision (ROD) was issued for the Site in March 1999 (NYSDEC 1999). The ROD specified the site-related contaminants of concern (COCs) to include semi-volatile organic compounds [phenol, benzo(k)anthracene, chrysene, and benzo(a)pyrene] in the sediment/sludge from the stormwater dry wells, and metals (cadmium, chromium, copper, nickel, and zinc) in soil, sediment, and groundwater. The ROD called for source removal and mitigation and assessment of on-site and off-site groundwater quality.

Removal and in-place closure measures specified in the ROD were completed in September 2001 (Dvirka and Bartilucci 2002). Impacted soil and sediments were excavated to concentrations below applicable cleanup criteria. The six former USTs were closed-in-place as they could not be removed due to their proximity to the Long Island Railroad and a non-porous asphalt cap was constructed over the UST area to mitigate infiltration of precipitation into the contaminant source area. Additional soil remediation activities were conducted in 2021 and 2022 to prepare the property for redevelopment, including soil excavation and asphalt cap construction/repair.

Residual contamination in the soil and groundwater is being managed under a Site Management Plan (SMP) that calls for periodic Site inspections (including the asphalt cap, security fence, and monitoring wells) and groundwater monitoring to assess natural attenuation. The groundwater monitoring program currently includes 8 on-site monitoring wells (MW-1R, MW-2A, MW-3A, MW-4A, and MW-5, MW-6, MW-7A, and MW-17A) and 8 off-site monitoring wells (MW-10, MW-12, MW-14, MW-16, MW-18, MW-19, MW-20, and MW-21) (**Figure 2**). On-site wells are sampled by the responsible party. Groundwater monitoring is being conducted in accordance with the SMP until residual groundwater concentrations are found to be consistently below NYSDEC standards or have become asymptotic at an acceptable level over an extended period, as determined by the NYSDEC. Inspections and monitoring are conducted on a five-quarter basis (every 15 months).

1.2 OBJECTIVES

The objectives of the groundwater monitoring program are to:

- Establish current groundwater concentrations of the site-specific contaminants of concern (COCs) in the off-site area (cadmium, chromium, copper, nickel, and zinc).
- Establish concentrations of PFAS and 1,4-dioxane in the off-site area groundwater.
- Determine whether any modifications of the monitoring well network are necessary (i.e., well decommissioning, installation of new wells, etc.)

1.3 REPORT ORGANIZATION

A summary of the October 2024 off-site groundwater monitoring activities is provided in Section 2. Laboratory analytical results are presented in Section 3. Conclusions and recommendations are discussed in Sections 4 and 5, respectively.

The following are also provided as appendixes:

- **Appendix A**—Field Forms and Daily Field Reports
- **Appendix B**—Historical Groundwater Metals Results

- **Appendix C**—Historical Groundwater PFAS Results
- **Appendix D**—Cadmium and Chromium Historical Data Trend Graphs

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2. FIELD ACTIVITIES

2.1 MONITORING WELL INSPECTION

Off-site monitoring wells MW-10, MW-12, MW-14, MW-16, MW-18, MW-19, MW-20, and MW-21 were inspected on 8 and 9 October 2024. Well inspection forms are provided in **Appendix A**. Well locations are presented on **Figure 2**. Several monitoring well flush mount covers were missing bolts and internal well seals were either missing or were compromised (did not seal). In addition, the polyvinyl chloride well casing at one well (MW-14) was damaged.

2.2 GROUNDWATER MONITORING

Groundwater sampling of the eight off-site wells (MW-10, MW-12, MW-14, MW-16, MW-18, MW-19, MW-20, and MW-21) was conducted on 8 and 9 October 2024. Daily field reports for the October 2024 event are provided in **Appendix A**. Well locations are presented on **Figure 2**.

2.2.1 Groundwater Purging and Sampling

Each off-site monitoring well was purged and sampled using low-flow groundwater sampling methods. Wells were purged with bladder pumps at a flow rate of approximately 0.20 to 0.33 liters per minute. Dedicated high density polyethylene tubing was used at each monitoring well.

Water quality parameters, including temperature, pH, conductivity, dissolved oxygen, oxidation reduction potential, and turbidity, were monitored at 3-minute intervals throughout purging using a Horiba-U-52 water quality meter equipped with a flow-through cell. Sampling instruments were calibrated daily prior to starting sampling activities, and calibration checks were conducted as needed throughout each day of sampling. Field equipment calibration records and groundwater sampling purge forms are provided in **Appendix A**.

- Purge rate (milliliters per minute)
- Temperature (degrees Celsius)
- pH
- Specific conductance (Siemens per centimeter)
- Dissolved oxygen (DO) (milligrams per liter [mg/L])
- Oxidation-reduction potential (ORP) (millivolts)
- Turbidity (nephelometric turbidity units [NTU])

Purging was considered complete when the indicator parameters had stabilized over three consecutive readings, indicating that formation water was being drawn. Stabilization requirements were as follows:

- pH: ± 0.1 standard unit
- Specific Conductivity: ± 3 percent (%)
- DO: ± 10% (mg/L) for values greater than 0.5 mg/L or 3 readings less than 0.5 mg/L
- ORP: ± 10 millivolts

- Turbidity: Less than 5 NTU or ± 10% for readings greater than 5 NTU

Following stabilization of groundwater field parameters, the flow-through cell was disconnected from the dedicated sample tubing. Groundwater samples were collected directly from the tubing into laboratory supplied sample containers containing appropriate preservatives. Quality assurance (QA)/quality control (QC) samples included one matrix spike (MS)/matrix spike duplicate (MSD), one field duplicate, and one field blank for each day of sampling. Each groundwater sample was collected for laboratory analysis of TAL metals by U.S. Environmental Protection Agency (EPA) Method 6020B, mercury by EPA Method 7470A, PFAS by EPA Method 1633, and 1,4-dioxane by EPA Method 8270 SIM. Sample IDs, sample dates/times, and QA/QC sample locations are presented in **Table 1**.

2.2.2 Sample Handling and Management

Samples were placed on ice in coolers immediately after collection to ensure preservation. Pertinent sample information was recorded on the associated chain-of-custody, and samples were shipped overnight via Federal Express shipping to SGS North America, Inc. in Dayton, New Jersey under secure chain-of-custody protocol.

2.2.3 Groundwater Elevation and Well Depth Measurements

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 (ft). Measurements were recorded from a designated measuring point on top of the inner polyvinyl chloride well casing.

2.2.4 Equipment Decontamination

Non-dedicated bladder pump components were decontaminated with Alconox solution and deionized water between each well. Dedicated components, such as O-rings and bladder, were replaced between each well.

2.2.5 Investigative Derived Waste

Purge water generated during sampling activities was discharged to the ground surface. Non-contaminated trash and debris (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 (i.e., used tubing, nitrile gloves, etc.) were double-bagged and disposed of as general debris/trash.

3. GROUNDWATER ANALYTICAL RESULTS

Historical analytical results are presented in **Appendix B** (for TAL metals) and **Appendix C** (for PFAS). The October 2024 groundwater are presented on **Tables 2 and 3**, and are discussed in the subsections below. Groundwater analytical results were compared to the NYSDEC Class GA groundwater standards and guidance values (6 New York Codes, Rules, and Regulations [NYCRR] Part 703.5 Water Quality Regulations, as presented in the Division of Water Technical and Operational Guidance Series 1.1.1) (NYSDEC 1998).

3.1 TAL METALS

Various metals were detected in groundwater samples collected during the October 2024 sampling event, as presented in **Table 2**. The 1999 ROD identifies cadmium, chromium, copper, nickel, and zinc as COCs in groundwater. While each COC was detected in groundwater samples collected during the October 2024 event, cadmium was the only COC detected at concentrations in exceedance of NYSDEC Class GA groundwater standards and guidance values at MW-10 (**Figure 3**).

- Cadmium: concentrations exceeded the Class GA standard of 5 micrograms per liter (µg/L) at MW-10 (95.1 µg/L)

- Chromium: the highest result concentration was 46.7 µg/L at MW-10 but this did not exceed the Class GA standard of 50 µg/L.

Well pair MW-10/MW-16 is located approximately 130 ft downgradient (southeast) of the former USTs. The on-site well MW-4A was sampled by FPM Group on 18 October 2024, and it was noted as having the highest concentrations of cadmium and chromium among both the on-site and off-site wells. The well pair of MW-10/MW-16 is used to monitor the contaminant plume at the water table and in deeper portions of the Upper Glacial Aquifer immediately downgradient from the source area. MW-10 is a shallow well installed to approximately 50 ft below ground surface (bgs) and screened across the water table interface, while MW-16 is a deep well installed to approximately 100 ft bgs. While cadmium and chromium were detected in the deep aquifer at MW-16 (cadmium at 2.9 µg/L and chromium at 9.9 µg/L), concentrations were below Class GA groundwater standards and were an order of magnitude lower than concentrations at MW-10 (cadmium at 95.1 µg/L and chromium at 46.7 µg/L). The October 2024 cadmium and chromium results indicate a decline in concentrations with depth in the aquifer immediately downgradient of the source area. Like the on-site MW-4A, the highest concentrations of cadmium and chromium in the off-site wells were found in MW-10.

Well pair MW-12/MW-14 is located approximately 500 feet downgradient of the former USTs. These wells are used to monitor the contaminant plume at the water table and in deeper portions of the Upper Glacial Aquifer further downgradient of the Site. Water table well MW-12 was installed to approximately 50 ft bgs and is the furthest downgradient shallow well. MW-14 is a deep well installed to approximately 100 ft bgs. The cadmium concentration in shallow groundwater at well MW-12 (2.1 µg/L) was below the Class GA groundwater standard, and the chromium concentration at MW-12 was 3.6 µg/L, which is also below the Class GA groundwater

standard. Cadmium and chromium did not exceed the Class GA groundwater standards at MW-14, at concentrations of 3.2 µg/L and 12.7 µg/L, respectively. The October 2024 analytical results from only the deep wells (MW-16, MW-14, and MW-20, MW-21) indicate that chromium concentrations increase in a downgradient direction, however the results from these wells remain within the same order of magnitude.

Well pair MW-20/MW-21 are deep wells installed at or near the presumed leading edge of the contaminant plume as delineated during the remedial investigation and are used to monitor the leading edge of the plume. These wells were installed in the Upper Glacial Aquifer at approximately 149.5 and 110.5 ft bgs, respectively. Cadmium was not detected at wells MW-20 and MW-21, while chromium was detected at each well (16 and 19.7 µg/L, respectively) at concentrations below the Class GA standard. The October 2024 analytical results indicate that the leading edge of the cadmium plume is upgradient of these wells, while the chromium plume in deep groundwater extends to and beyond MW-20/MW-21.

Well pair MW-18/MW-19 are side-gradient monitoring wells located in the Brentwood Water District well field and are used to monitor the potential migration of COCs toward the production well. MW-18 was installed in the lower portion of the Upper Glacial Aquifer at a depth of approximately 150 ft bgs and MW-19 was installed within the Magothy Formation at a depth of approximately 250 ft bgs. Cadmium and chromium were not detected at well MW-18, and chromium was not detected at well MW-19. A low concentration of cadmium below the Class GA standard was detected at well MW-19 (1.9 µg/L).

Iron, manganese, and sodium were detected at concentrations exceeding NYSDEC Class GA groundwater standards and guidance values (**Table 2**). These metals are not considered site contaminants in the ROD (NYSDEC 1999).

3.2 PFAS AND 1,4-DIOXANE

Various PFAS compounds were detected in groundwater samples collected during the October 2024 sampling event (**Table 3**). Perfluorooctanesulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) were detected at concentrations exceeding the NYSDEC guidance values (**Figure 4**):

- PFOS: concentrations exceeded the guidance value of 2.7 nanograms per liter (ng/L) at MW-10 (38.2 ng/L), MW-12 (3.3 ng/L), MW-14 (13.5 ng/L), MW-16 (10.5 ng/L), MW-20 (3.3 ng/L), and the duplicate of MW-21 (6.4 ng/L)

- PFOA: concentrations exceeded the guidance value of 6.7 ng/L at MW-10 (10.3 ng/L), MW-14 (7.8 ng/L), MW-16 (14.3 ng/L), MW-20 (14 ng/L), and MW-21 (17.9 ng/L).

The off-site wells were first sampled for PFAS and 1,4-dioxane during the September 2017 groundwater sampling event. In September 2017, 1,4-dioxane was not detected in any off-site well. Off-site wells were not sampled for these analytes again between 2018 and 2022. PFOS, PFOA, and 1,4-dioxane concentrations in August 2023 were consistent with the September 2017 sampling results. The off-site wells were not tested for 1,4-dioxane during the October 2024 groundwater sampling event.

3.3 HISTORICAL TRENDS OF COCS

Historical metals concentrations in off-site wells detected in sampling events conducted from June 2006 through December 2019 are provided in **Appendix B**. Well pairs MW-12/MW-14, MW-20/MW-21, and MW-18/MW-19 have been sampled since June 2006. Well pair MW-10/MW-16 was added to the monitoring program in May 2011. Off-site wells were not sampled in 2020, 2021, or 2022.

Historical analytical cadmium and chromium results are presented with October 2024 results as trend graphs in **Appendix D**. Monitoring wells where cadmium and chromium concentrations exceeded NYSDEC AWQS in August 2023 (MW-10 and MW-14) are consistent with historical exceedances documented in prior monitoring events.

3.3.1 Downgradient Shallow Groundwater

Both cadmium and chromium concentrations at shallow well MW-10 immediately downgradient of the source area have continuously exceeded Class GA standards in samples collected since May 2011. Cadmium concentrations have demonstrated an overall increasing trend, with concentrations increasing from 10.3 µg/L in May 2011 to a maximum concentration of 96 µg/L in August 2023, and falling to only 95.1 µg/L in October 2024. These increases may be attributed to upgradient observations as reported on by FPM. Chromium concentrations initially increased between May 2011 (72.7 µg/L) to August 2012 (152 µg/L) but have demonstrated an overall decreasing trend from August 2012 through October 2024. The October 2024 chromium result in MW-10 was (46.7 µg/L).

Cadmium and chromium were historically detected in further downgradient shallow well MW-12, with cadmium concentrations both spiking to their maximums in March 2010. Since March 2010, cadmium and chromium concentrations had dipped to being non-detect in all of the 2017, 2018, and 2019 sampling events. Cadmium detections in 2023 and 2024 were 1.9 µg/L and 2.1 µg/L, respectively, while chromium detections in 2023 and 2024 were 2.0 µg/L and 3.6 µg/L, respectively.

3.3.2 Downgradient Deep Groundwater

Cadmium concentrations at deep well MW-16 immediately downgradient of the source area have remained close to the Class GA standard of 5 µg/L since May 2011. The cadmium concentration in MW-16 has decreased since November 2018, and was below the Class GA standard in August 2023 (4.4 µg/L), then dropped to 2.9 µg/L in October 2024. Chromium was detected at deep well MW-16 during the early sampling events in May 2011 and August 2012 (11.7 and 2.8 µg/L, respectively), it was not detected again until August 2023 at a concentration of 8.2 µg/L. The chromium result for October 2024 increased slightly to 9.9 µg/L.

Cadmium and chromium concentrations at further downgradient deep well MW-14 have fluctuated since June 2006. Cadmium concentrations have exhibited a decline from December 2019 (16 µg/L)

to October 2024 (3.2 µg/L). Chromium concentrations have exhibited a decline from January 2018 (120 µg/L) through October 2024 (12.7 µg/L).

Cadmium concentrations at furthest downgradient wells MW-20 and MW-21 have continuously been below Class GA groundwater standards. Cadmium has not been detected in MW-20 since November 2008, nor in MW-21 since May 2011.

The chromium concentrations detected in MW-20 between 2006 and 2019 ranged between non-detect and 5.1 µg/L, with 2018 yielding an exceptional result of 72.0 µg/L. The sampling events in August 2023 and October 2024 then yielded chromium results of 6.9 µg/L and 16.0 µg/L, respectively. At MW-21, the chromium results ranged between non-detect and 13.2 µg/L from 2006 to 2019, with the spike of 13.2 µg/L occurring in 2012. Subsequently, the sampling events in August 2023 and October 2024 have yielded chromium results of 23.3 µg/L and 19.7 µg/L.

3.3.3 Side-Gradient Deep Groundwater

Cadmium concentrations at side-gradient well MW-19 exceeded the Class GA standard only in August 2007 (8 µg/L). The cadmium result in each of the last two sampling events (2023 and 2024) was 1.9 µg/L. Cadmium concentrations at MW-18 have yielded non-detect results since 2012, including the most recent October 2024 event.

Chromium concentrations at side-gradient wells MW-18 and MW-19 have continuously been non-detect since 2013

4. CONCLUSIONS

Analytical results from off-site groundwater samples collected during the October 2024 event indicate that concentrations of cadmium remain elevated above NYSDEC Class GA groundwater standards and guidance values at shallow downgradient well MW-10. Both cadmium and chromium concentrations have declined at MW-14 since the last sampling event conducted at this well in August 2023.

PFOS was reported at concentrations above its NYSDEC guidance value of 2.7 ng/L at seven of eight wells sampled (MW-10, MW-12, MW-14, MW-16, MW-18, MW-20, and MW-21) and PFOA reported at concentrations above its NYSDEC guidance value of 6.7 ng/L at five of eight wells sampled (MW-10, MW-14, MW-16, MW-20, and MW-21). Some off-site wells showed considerable reductions in PFOS concentrations from the 2023 groundwater sampling event to the 2024 event. The most notable PFOS decreases from 2023 to 2024 occurred in MW-10, MW-12, and MW-14. PFOS decreased from 112 ng/L to 38.2 ng/L at MW-10, from 36.8 ng/L to 3.3 ng/L at MW-12, and from 99.1 ng/L to 13.5 ng/L at MW-14.

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5. RECOMMENDATIONS

As elevated concentrations of COCs (cadmium and chromium) continue to be detected in off-site wells, it is recommended that off-site groundwater sampling for TAL metals be continued on a five-quarter basis in accordance with the SMP. In addition, since PFAS compounds were detected at elevated concentrations in off-site groundwater, it is recommended that samples continue to be collected and analyzed for PFAS.

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6. REFERENCES

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New York State Department of Environmental Conservation (NYSDEC). 1998. Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1. Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. October (revised).

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Tables

Table 1. Summary of Samples Collected (October 2024)

Well ID	Sample ID	Sample Date	Sample Time	MS/MSD	Location
MW-10	152108-MW-10-20241008	10/08/2024	18:10	N	Off-site
MW-12	152108-MW-12-20241008	10/08/2024	16:20	N	Off-site
MW-14	152108-MW-14-20241008	10/08/2024	16:00	N	Off-site
MW-16	152108-MW-16-20241008	10/08/2024	18:15	N	Off-site
MW-18	152108-MW-18-20241008	10/08/2024	13:00	N	Off-site
MW-19	152108-MW-19-20241008	10/08/2024	12:50	**Y**	Off-site
MW-20	152108-MW-20-20241009	10/09/2024	09:20	N	Off-site
MW-21	152108-MW-21-20241009	10/09/2024	09:10	N	Off-site
QC Samples					
Well ID	**Sample ID**	**Sample Date**	**Sample Time**	**QC Type**	
MW-21	152108-FD-01	10/09/2024	09:10	Field Duplicate	
NA	152108-FB-20230828	10/08/2024	14:45	Field Blank	
NA	152108-FB-20230829	10/09/2024	11:30	Field Blank	

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

Table 2 - Metals Analytical Results October 2024

			Location ID	MW-10	MW-12	MW-14	MW-16	MW-18	MW-19	MW-20	MW-21	MW-21
			Sample Name	152108-MW-10	152108-MW-12	152108-MW-14	152108-MW-16	152108-MW-18	152108-MW-19	152108-MW-20	152108-MW-21	152108-FD-01
			Parent Sample Name									152108-MW-21-20241009
			Sample Date	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/8/2024	10/9/2024	10/9/2024	10/9/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**		**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6020)												
Aluminum	NSL	µg/L		86.6	523	340	3620	201	< 50 U	1970	435	416
Antimony	3	µg/L		< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U	< 4.0 U
Arsenic	25	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	1.9	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Barium	1000	µg/L		20.4	54.3	33.8	248	42.8	9.9	46.8	73.9	76.3
Beryllium	3	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	2.6	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	5	µg/L		**95.1**	2.1	3.2	2.9	< 1.0 U	1.9	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	NSL	µg/L		23600	17700	11600	12800	10600	10300	17600	19800	21000
Chromium, Total	50	µg/L		46.7	3.6	12.7	9.9	< 2.0 U	< 2.0 U	16	19.1	19.7
Cobalt	NSL	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	2.1	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Copper	200	µg/L		< 4.0 U	5.8	6.4	31.9	< 4.0 U	< 4.0 U	7.2	< 4.0 U	< 4.0 U
Iron	300	µg/L		245	**658**	**685**	**2680**	284	< 50 U	**1890**	**474**	**495**
Lead	25	µg/L		1.4	4.4	3	3.2	< 1.0 U	< 1.0 U	6.7	1.9	1.9
Magnesium	35000	µg/L		3980	4630	2690	3180	2430	3810	9880	5190	5400
Manganese	300	µg/L		4.8	14.8	39.2	**997**	**2110**	2.1	30.5	**694**	**704**
Nickel	100	µg/L		9.8	2.5	10.4	18.3	< 2.0 U	< 2.0 U	2.4	4.9	5.2
Potassium	NSL	µg/L		2670	1370	1460	4850	3270	1480	2090	4920	5000
Selenium	10	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	6.3	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Silver	50	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Sodium	20000	µg/L		8950	19100	**26200**	18000	10400	12600	19200	**28100**	**29100**
Thallium	0.5	µg/L		< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	NSL	µg/L		< 2.0 U	2.2	2.1	4.1	< 2.0 U	< 2.0 U	3.7	< 2.0 U	< 2.0 U
Zinc	2000	µg/L		< 10 U	62.5	102	78	< 10 U	36.3	32.1	< 10 U	12.5
Mercury	0.7	µg/L		< 0.20 U	< 0.20 U	< 0.20 U	0.24	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U	< 0.20 U

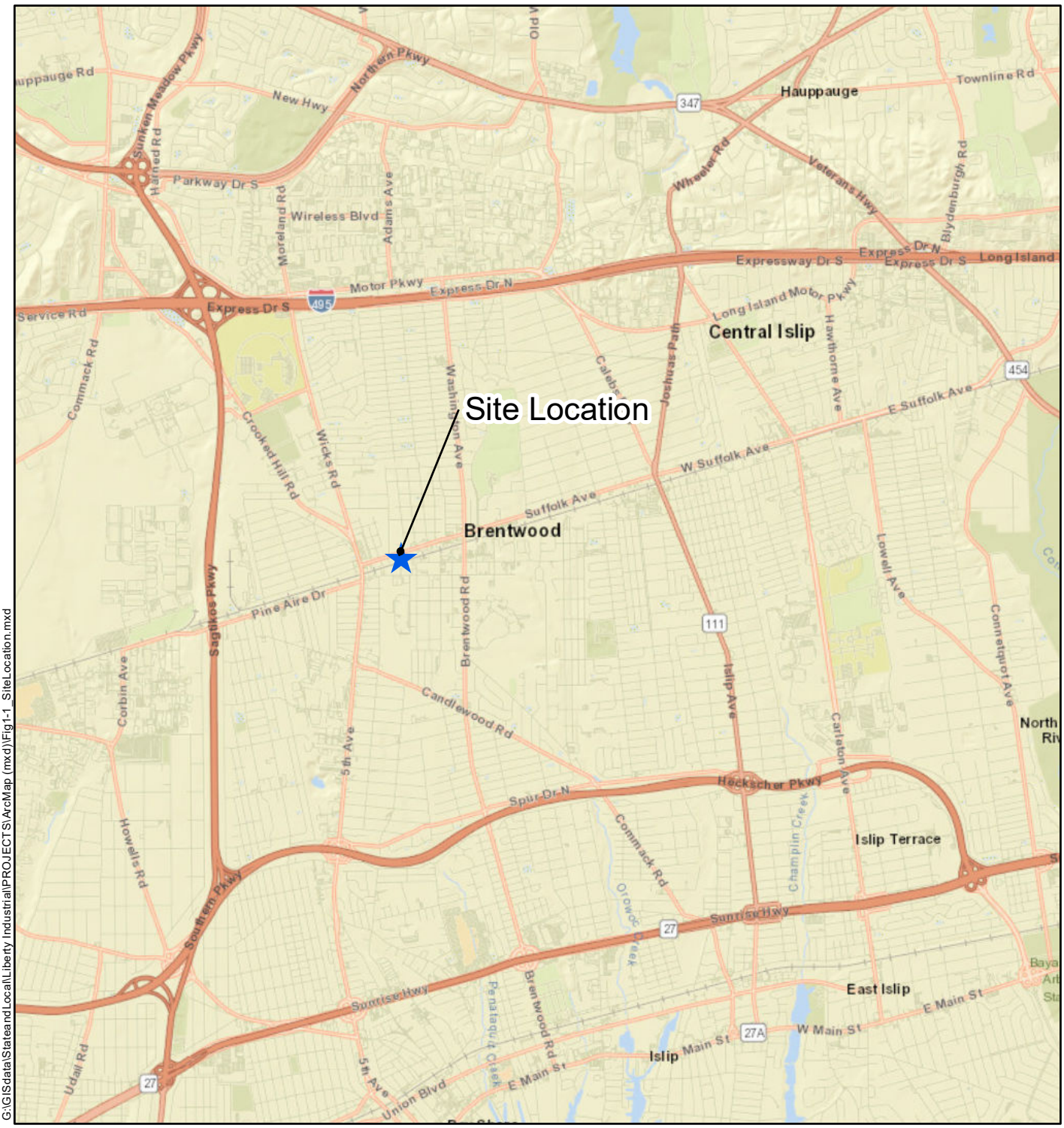
Notes:
(1) NYSDEC Ambient Water Quality Standard Class GA
µg/L = Mircogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and sl

Table 3 - PFAS Analytical Results October 2024

Location ID Sample Name Parent Sample Name Sample Date			MW-10 152108-MW-10 10/8/2024	MW-12 152108-MW-12 10/8/2024	MW-14 152108-MW-14 10/8/2024	MW-16 152108-MW-16 10/8/2024	MW-18 152108-MW-18 10/8/2024	MW-19 152108-MW-19 10/8/2024	MW-20 152108-MW-20 10/9/2024	MW-21 152108-MW-21 10/9/2024	MW-21 152108-FD-01 152108-MW-21-20241009 10/9/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633)											
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	< 1.8 U	< 1.9 U	< 2.0 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.8 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	< 1.5 U	< 1.5 U	< 1.6 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	< 2.3 U	< 2.4 U	< 2.5 U	< 2.3 U	< 2.4 U	< 2.3 U	< 2.4 U	< 2.4 U	< 2.3 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	< 0.93 U	< 0.97 U	< 1.0 U	< 0.95 U	< 0.96 U	< 0.94 U	< 0.97 U	< 0.95 U	< 0.93 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 7.3 U	< 7.6 U	< 7.8 U	< 7.4 U	< 7.5 U	< 7.4 U	< 7.6 U	< 7.5 U	< 7.3 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	< 6.3 U	< 6.6 U	< 6.8 U	< 6.4 U	< 6.5 U	< 6.4 U	< 6.6 U	< 6.5 U	< 6.3 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	< 2.5 U	< 2.6 U	< 2.7 U	< 2.5 U	< 2.5 U	< 2.5 U	< 2.6 U	< 2.5 U	< 2.5 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.3 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	< 2.5 U	< 2.6 U	< 2.7 U	< 2.5 U	< 2.6 U	< 2.5 U	< 2.6 U	< 2.6 U	< 2.5 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	< 1.8 U	< 1.9 U	< 2.0 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.9 U	< 1.8 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	< 0.54 U	< 0.57 U	< 0.58 U	< 0.55 U	< 0.56 U	< 0.55 U	< 0.57 U	< 0.56 U	< 0.54 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.93 U	< 0.97 U	< 1.0 U	< 0.95 U	< 0.96 U	< 0.94 U	< 0.97 U	< 0.95 U	< 0.93 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 3.9 U	< 4.0 U	< 4.1 U	< 3.9 U	< 3.9 U	< 3.9 U	< 4.0 U	< 3.9 U	< 3.8 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	< 0.66 U	< 0.68 U	< 0.70 U	< 0.67 U	< 0.67 U	< 0.66 U	< 0.68 U	< 0.67 U	< 0.65 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	< 0.52 U	< 0.54 U	< 0.56 U	< 0.53 U	< 0.54 U	< 0.53 U	< 0.54 U	< 0.53 U	< 0.52 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 2.9 U	< 3.0 U	< 3.0 U	< 2.9 U	< 2.9 U	< 2.9 U	< 3.0 U	< 2.9 U	< 2.8 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	< 1.3 U	< 1.4 U	< 1.4 U	< 1.3 U	< 1.3 U	< 1.3 U	< 1.4 U	< 1.3 U	< 1.3 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	< 0.28 U	< 0.29 U	< 0.30 U	< 0.28 U	< 0.28 U	< 0.28 U	< 0.29 U	< 0.28 U	< 0.28 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	< 0.31 U	< 0.32 U	< 0.33 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.32 U	< 0.31 U	< 0.31 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	< 0.57 U	< 0.60 U	< 0.61 U	< 0.58 U	< 0.59 U	< 0.58 U	< 0.60 U	< 0.59 U	< 0.57 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.5	1.1 J	5.9	7.5	2.4	< 0.68 U	3.9	5.3	4.8
Perfluorobutanoic Acid	NSL	ng/L	5.9 J	1.5 J	3.3 J	5.8 J	2.1 J	1.8 J	4.5 J	203	203
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 1.1 U	< 1.2 U	< 1.2 U	< 1.1 U	< 1.1 U	< 1.1 U	< 1.2 U	< 1.1 U	< 1.1 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.64 U	< 0.66 U	< 0.68 U	< 0.64 U	< 0.65 U	< 0.64 U	< 0.66 U	< 0.65 U	< 0.63 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.41 U	< 0.43 U	< 0.44 U	< 0.42 U	< 0.42 U	< 0.41 U	< 0.43 U	< 0.42 U	< 0.41 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.79 U	< 0.82 U	< 0.84 U	< 0.80 U	< 0.81 U	< 0.80 U	< 0.82 U	< 0.81 U	< 0.79 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.0 U	< 1.0 U	< 1.1 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U	< 1.0 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	2.2	1.8 J	3.6	4.3	1.5 J	< 0.52 U	3.8	5.7	6.1
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	< 1.1 U	< 1.2 U	4.3	2.0 J	< 1.2 U	< 1.1 U	4.4	7.3	8.8
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	3	2.9	3.8	12	2.2	1.1 J	8.1	18.7	18.4
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.5 U	< 1.5 U	< 1.6 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U	< 1.5 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	< 0.41 U	< 0.43 U	< 0.44 U	< 0.42 U	0.55 J	< 0.41 U	< 0.43 U	0.76 J	0.80 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 0.71 U	< 0.74 U	< 0.76 U	< 0.72 U	< 0.73 U	< 0.71 U	< 0.74 U	< 0.72 U	< 0.70 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**38.2**	**3.3**	**13.5**	**10.5**	**4.5**	0.63 J	**3.3**	**5.2**	**6.4**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**10.3**	3.3	**7.8**	**14.3**	4.7	1.2 J	**14**	**17.9**	**17.2**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	< 1.0 U	< 1.1 U	< 1.1 U	< 1.0 U	< 1.1 U	< 1.0 U	< 1.1 U	< 1.1 U	1.4 J
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	2.6 J	2.5 J	5.4	11.9	2.3 J	1.0 J	8.5	24.9	25.2
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.78 U	< 0.81 U	< 0.83 U	< 0.79 U	< 0.80 U	< 0.79 U	< 0.81 U	< 0.80 U	< 0.78 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.81 U	< 0.84 U	< 0.87 U	< 0.82 U	< 0.83 U	< 0.82 U	< 0.84 U	< 0.83 U	< 0.81 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.56 U	< 0.59 U	< 0.60 U	< 0.57 U	< 0.58 U	< 0.57 U	< 0.59 U	< 0.58 U	< 0.56 U

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

Figures



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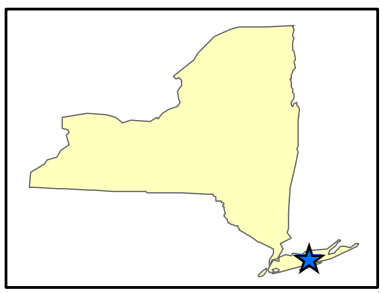

0 0.75 1.5
Miles

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Legend

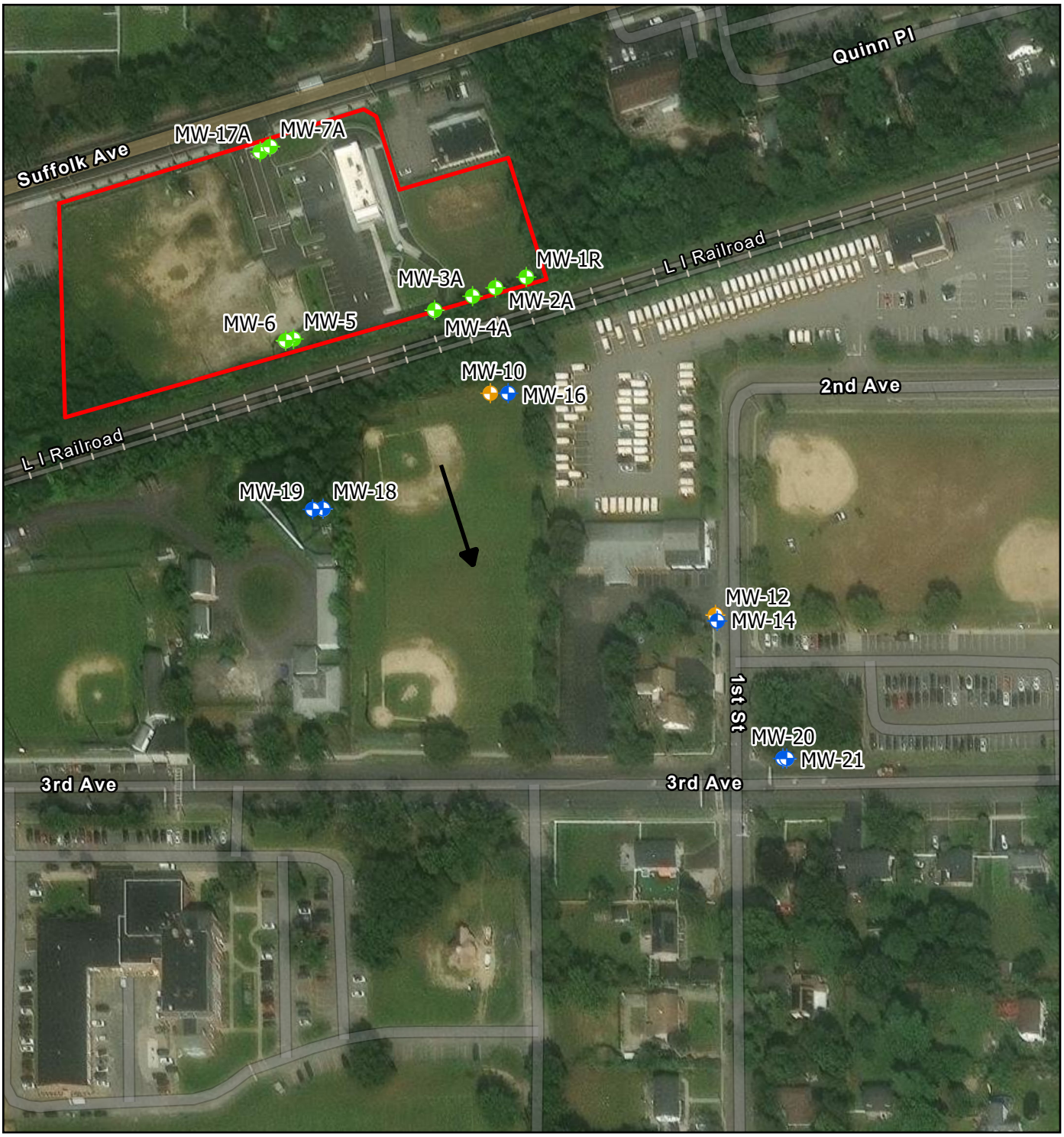
★ Site Location

Figure 1
Site Location

Liberty Industrial Finishing (NYSDEC Site 152108)
550 Suffolk Avenue
Brentwood, NY

Map Date: 2/23/2023
Projection: NAD83 State Plane New York East
FIPS 3104 Feet

NEW YORK STATE Department of Environmental Conservation



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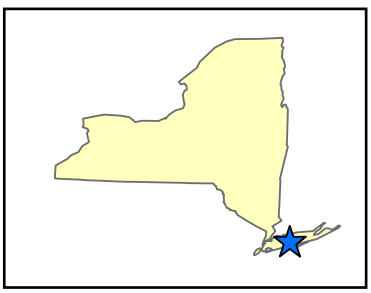

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Feet

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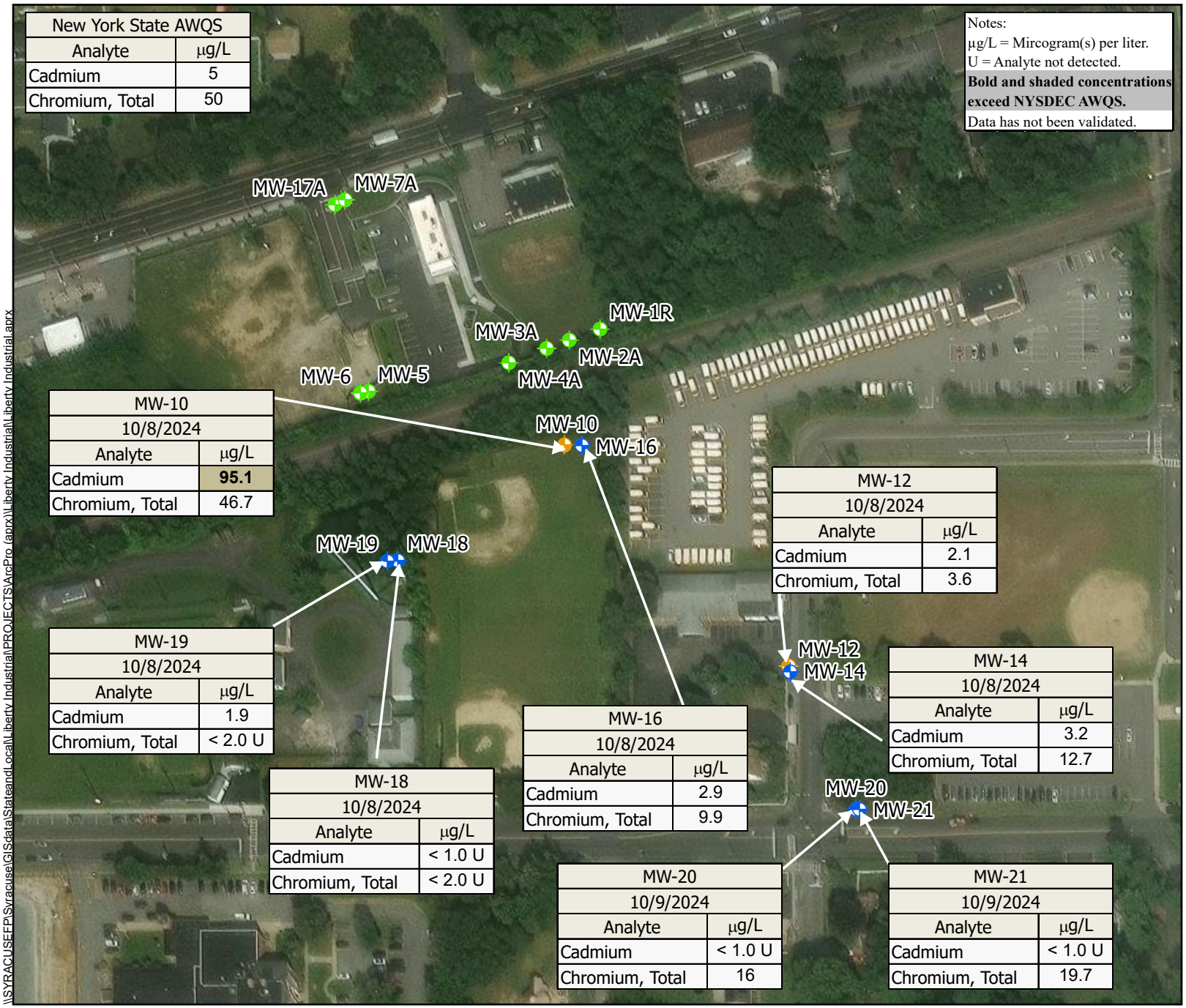
Legend

- Deep Offsite Well
- Shallow Offsite Well
- Onsite Well
- Historical Groundwater Flow Direction
- Site Boundary

Figure 2
SITE LAYOUT
Liberty Industrial Finishing (152108)
Brentwood, NY

Map Date: 3/4/2025
Projection: NAD 1983 (2011) State Plane
New York Long Island (Feet)

NEW YORK STATE | Department of Environmental Conservation



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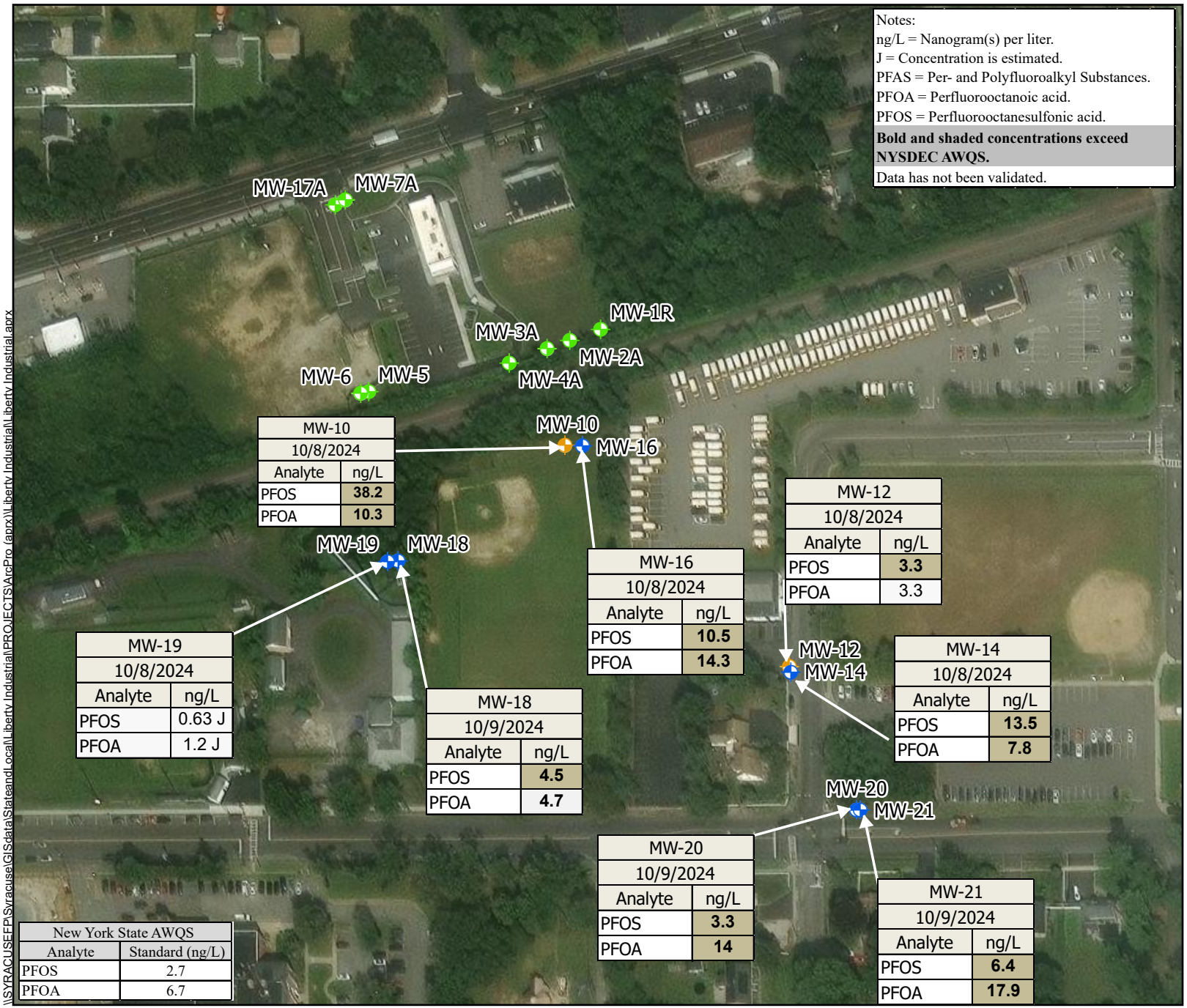
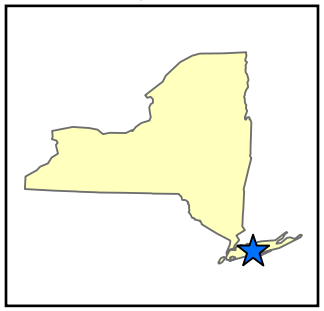
Map Date: 11/22/2024
Projection: NAD 1983 (2011) StatePlane New York Long Isl FIPS 3104 (US Feet)
Source: ESRI

NEW YORK STATE Department of Environmental Conservation

Figure 3
October 2024 Metals Detections- Offsite Wells
Liberty Industrial Finishing
(NYSDEC Site 152108)
550 Suffolk Avenue
Brentwood, NY



VICINITY MAP



Legend

- Site Location
- Onsite Well
- Deep Offsite Well
- Shallow Offsite Well

N

0 100 200

Feet

Map Date: 11/22/2024
Projection: NAD 1983 (2011) StatePlane New York Long Isl FIPS 3104 (US Feet)
Source: ESRI

NEW YORK STATE Department of Environmental Conservation

Figure 4
October 2024 PFAS Detections- Offsite Wells
Liberty Industrial Finishing
(NYSDEC Site 152108)
550 Suffolk Avenue
Brentwood, NY

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Appendix A

Field Forms and Daily Field Reports

DAILY INSPECTION REPORT
(Liberty Industrial), Site No. 152108

Date: 10/08/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No. D009806

DEC PM – J.Stefansky

Engineer PM – J.Oliver

Engineer Insp. – M. Boyle

Site Location: 550 Sufflolk Ave, Brentwood NY 11717

Weather Conditions				
General Description	Sunny	AM	Overcvast	PM
Temperature	72 °F	AM	64 °F	PM
Wind	None	AM	none	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 X	NA

Health & Safety Comments

Tailgate safety meeting held upon arrival onsite. Topics covered included: general fieldwork safety; slips, trips, and falls; dehydration; traffic.

Summary of Work Performed	Arrived at site:	1000	Departed Site:	1930

(1000) EA (M. Boyle, L. Backman-Lowe) onsite, begin calibrating Horiba U-52 water quality meters and PID
(1030) Mobilize to MW-18 and MW-19
(1140) Start purge at MW-19
(1215) Start purge at MW-18
(1250) Sample MW-19 for PFAS and TAL metals (Split w/ MS/MSD)
(1300) Sample MW-18 for PFAS and TAL metals
(1515) Start purge at MW-14
(1545) Start purge at MW-12
(1600) Sample MW-14 for PFAS and TAL metals
(1645) Mob to MW-10 and MW-16
(1730) Start purge at MW-10
(1735) Start purge at MW-16
(1810) Sample MW-10 for PFAS and TAL metals
(1815) Sample MW-16 for PFAS and TAL metals
(1930) Pack up, 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
Matt Boyle	EA	Scientist	9.5
Lincoln Backman-Lowe	EA	Scientist	9.5

Equipment Description	Contractor/Vendor	Quantity	Used
Ford F-150	EA	1	Yes
Ford Expedition	Enterprise	1	Yes
MiniRAE 3000 PID	Pine	1	Yes
QED bladder pump	Pine	2	Yes
QED bladder pump compressor kit	Pine	2	Yes
Heron Water Level Meter	Pine	2	Yes
Horiba U-52 water quality meter	Pine	2	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)*
N/A						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None			

Site Representatives

Name	Representing

Project Schedule Comments

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)	

Comments
N/A

Site Inspector(s): Matt Boyle (EA)	**Date: 10/08/2024**

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

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: N/A			

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
(Liberty Industrial), Site No. 152108

Date: 10/09/2024

NYSDEC
Division of Environmental Remediation

NEW YORK STATE | Department of Environmental Conservation

Contract No. D009806
DEC PM – J.Stefansky
Engineer PM – J.Oliver
Engineer Insp. – M. Boyle

Site Location: 550 Sufflolk Ave, Brentwood NY 11717

Weather Conditions				
General Description	Sunny	AM		PM
Temperature	61 °F	AM		PM
Wind	None	AM		PM

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

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

Health & Safety Comments

Tailgate safety meeting held upon arrival onsite. Topics covered included: general fieldwork safety; slips, trips, and falls; dehydration; traffic.

Summary of Work Performed	Arrived at site:	0730	Departed Site:	1030

(0730) EA (M. Boyle, L. Backman-Lowe) onsite, begin calibrating Horiba U-52 water quality meters and PID
(0750) Mobilize to MW-20 and MW-21
(0830) Start purge at MW-21
(0835) Start purge at MW-20
(0910) Sample MW-21 for PFAS and TAL metals (Split w/ FD-01)
(0920) Sample MW-21 for PFAS and TAL metals
(1030) Sample management, pack up, 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
Matt Boyle	EA	Scientist	3.0
Lincoln Backman-Lowe	EA	Scientist	3.0

Equipment Description	Contractor/Vendor	Quantity	Used
Ford F-150	EA	1	Yes
Ford Expedition	Enterprise	1	Yes
MiniRAE 3000 PID	Pine	1	Yes
QED bladder pump	Pine	2	Yes
QED bladder pump compressor kit	Pine	2	Yes
Heron Water Level Meter	Pine	2	Yes
Horiba U-52 water quality meter	Pine	2	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)*
N/A						

Equipment/Material Tracking Comments:

Visitors to Site

Name	Representing	Entered Exclusion/CRZ Zone	
None			

Site Representatives

Name	Representing

Project Schedule Comments

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)	
Comments	
N/A	
Site Inspector(s): Matt Boyle (EA)	**Date: 10/08/2024**

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

REMEDIAL ACTIVITIES AT PROPERTIES

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

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: N/A			

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

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

CALIBRATION
DATE: 10/08/2024
TIME: 0800
METER ID: 30649

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.04	4.1

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.21	4.47

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	0.4	0.0

COMMENTS

SIGNATURE

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

CALIBRATION
DATE: 10/09/2024
TIME: 0800
METER ID: 30649

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.92	4.0

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	4.77	4.50

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	4.6	0.0

COMMENTS

SIGNATURE

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

CALIBRATION
DATE: 10/08/2024
TIME: 1000
METER ID: 21078

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	5.15	4.4

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.29	4.52

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	2.5	0.1

COMMENTS

SIGNATURE

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

CALIBRATION
DATE: 10/09/2024
TIME: 0800
METER ID:

pH CALIBRATION

pH STANDARD	INITIAL READING	FINAL READING
4.0	4.61	4.02

CONDUCTIVITY CALIBARATION

CONDUCTIVITY STANDARD	STANDARD READING	FINAL READING
4.49	5.03	4.49

TURBIDITY CALIBRATION

STANDARD	INITIAL READING	FINAL READING
0 NTU	2.6	0.0

COMMENTS

SIGNATURE

FIELD CALIBRATION FORM

Site Name:

INSTRUMENT: Mini - Rae 3000	INSTRUMENT ID No: 416302
OPERATOR: M. Boyle	WEATHER: 60's, Sun
SPAN GAS TYPE: 100 PPM Isobutelyn	DATE:
CALIBRATION NOTES:	
Zero: 0.0 PPM	
Span: 100.0 PPM	
COMMENTS: —	
SIGNATURE:	DATE: 10/08/2024

FIELD CALIBRATION FORM

Site Name:

INSTRUMENT: Mini-Rae 3000	INSTRUMENT ID No: 31261
OPERATOR: M. Boyle	WEATHER: 60's, Sun
SPAN GAS TYPE: 100 PPM Isobutelyn	DATE: 10/08/2024
CALIBRATION NOTES:	
Zero: 0.0 PPM	
Span: 100.0 PPM	
COMMENTS: —	
SIGNATURE:	DATE: 10/09/2024

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave, Brentwood, NY
Site County: Suffolk County
Site State: NY
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: —
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-10
Well Tag ID: MW-10
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	202,243.14	
Easting (State Plane)	2,206,590.12	

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
Elevation (top of inner casing): 6.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: ~~4~~ 6" *inches*
Well Diameter: ~~4~~ 4" *inches*
Well Depth (as installed): 50 *ftbgs*
Well Depth (as measured): 56.10 *fttoc*
Screened interval: 40-50 *ft*
Open hole interval: N/A *ft*
Depth to water: 42.44 *ftbtoc*
Date: 10/08/2024 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 _____

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

Inspected by: M. Boyle

Date of Inspection: 11/08/2024

Reviewed by: _____ **(Print)**

_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave, Brentwood, NY
Site County: Suffolk County
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152408
Site Owner: N/A
NYS DEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-12
Well Tag ID: MW-12
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	201,973.43	2,206,863.98
Easting (State Plane)		

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) Bolts (Flush Mount) Stick up Multilevel Well*
Well lock\security type:
Elevation (top of inner casing): 0.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 49.3 *ftbgs*
Well Depth (as measured): 48.75 *fttoc*
Screened interval: 39.3 - 49.3 *ft*
Open hole interval: N/A *ft*
Depth to water: 42.05 *ftbtoc*
Date: 10/08/2024 *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 _____

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

Work.

Inspected by: M. Boyle
Date of Inspection: 11/08/2024
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave
Site County: Suffolk County
Site State: New York
~~EPA~~ NYSDEC Site ID Number: 152108
Site Owner: N/A
~~EPA~~ NYS DEC Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-14
Well Tag ID: MW-14
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	201,969.33	
Easting (State Plane)	2,206,866.03	

Cross streets (if applicable): 1st Ave ROW

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): 6.2'
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 100' *ftbgs*
Well Depth (as measured): 99.48 *fttoc*
Screened interval: 90-100 *ft*
Open hole interval: N/A *ft*
Depth to water: 42.08 *ftbtoc*
Date: 10/08/2024 *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 —

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

—

Inspected by: M. Boyle
Date of Inspection: 11/08/2024
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave.
Site County: Suffolk County
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: N/A
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefanisky

Well Locational Information

State Well ID: MW-16
Well Tag ID: MW-16
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	202,243.14	
Easting (State Plane)	2,206,611.76	

Cross streets (if applicable): Gil Hodges Park

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): 0.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" inches
Well Diameter: 2" inches
Well Depth (as installed): 99.2 ftbgs
Well Depth (as measured): 99.37 fttoc
Screened interval: 90-100 ft
Open hole interval: N/A ft
Depth to water: 42.67 ftbtoc
Date: 10/08/2024 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 _____

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

Inspected by: M. Boyle

Date of Inspection: 11/08/2024

Reviewed by: _____ **(Print)**

_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave, Brentwood, NY
Site County: Suffolk county
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: N/A
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-18
Well Tag ID: MW-18
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	202,101.70	
Easting (State Plane)	2,206,373.86	

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
Elevation (top of inner casing): 0.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 150 *ftbgs*
Well Depth (as measured): 147.46 *fttoc*
Screened interval: 140-150 *ft*
Open hole interval: N/A *ft*
Depth to water: 43.71 *ftbtoc*
Date: 10/08/2024 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 _____

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

—

Inspected by: M. Boyle
Date of Inspection: 11/08/2024
Reviewed by: _____ **(Print)**
_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 560 Suffolk Ave
Site County: Suffolk County
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: N/A
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-19
Well Tag ID: MW-19
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	202,102.30	
Easting (State Plane)	2,206,386.65	

Cross streets (if applicable): SWCA Property

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): 6.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 248.0 *ftbgs*
Well Depth (as measured): 247.62 *fttoc*
Screened interval: 238-248 *ft*
Open hole interval: N/A *ft*
Depth to water: 44.82 *ftbtoc*
Date: 10/08/2024 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 _____

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

—

Inspected by: M. Boyle

Date of Inspection: 11/08/2024

Reviewed by: _____ **(Print)**

_____ **(Sign)**

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave, Brentwood, NY
Site County: Suffolk County
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: N/A
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-20
Well Tag ID: MW-20
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	201,798.92	
Easting (State Plane)	2,206,946.09	

Cross streets (if applicable): 3rd Ave

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

Well Construction Details

Type of well (Circle one) Bolts (Flush Mount) Stick up Multilevel Well*
Well lock\security type:
Elevation (top of inner casing): 0.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" inches
Well Diameter: 2" inches
Well Depth (as installed): 149.5 ftbgs
Well Depth (as measured): 147.11 fttoc
Screened interval: 140-150 ft
Open hole interval: N/A ft
Depth to water: 41.43 ftbtoc
Date: 11/09/2024 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 _____

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

Inspected by: M. Boyle
Date of Inspection: 11/09/2024
Reviewed by: _____ (Print)
_____ (Sign)

EPA Region 2 Superfund Well Assessment Checklist

Facility Information

Site Name: Liberty Industrial
Site Address: 550 Suffolk Ave
Site County: Suffolk County
Site State: New York
NYSDEC ~~EPA~~ Site ID Number: 152108
Site Owner: N/A
NYSDEC ~~EPA~~ Project Manager: Jasmine Stefansky

Well Locational Information

State Well ID: MW-21
Well Tag ID: MW-21
Well Installation date: N/A

	From Log	By GPS
Ground Surface Elevation		
Latitude		
Longitude		
Northing (State Plane)	201,798.92	
Easting (State Plane)	2,206,950	

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) Bolts (Flush Mount) Stick up Multilevel Well*
Well lock\security type:
Elevation (top of inner casing): 6.2
Surface casing material: Steel
Well casing material: PVC
Surface Casing diameter: 4" *inches*
Well Diameter: 2" *inches*
Well Depth (as installed): 46.5 *ftbgs*
Well Depth (as measured): 108.70 *fttoc*
Screened interval: 100-110 *ft*
Open hole interval: N/A *ft*
Depth to water: 41.29 *ftbtoc*
Date: 11/09/2024 *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 _____

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

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Inspected by: M. Boyle

Date of Inspection: 11/09/2024

Reviewed by: _____ **(Print)**

_____ **(Sign)**

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-10	EA Personnel: MB, LBL	Client: NYSDEC
Location: Liberty - offsite	Well Condition: OK	Weather: 60's, Partly Cloudy
Sounding Method: Heron WLM	Gauge Date: 10/08/2024	Measurement Ref: TOC
Stick Up/Down (ft): FLUSH	Gauge Time: 1100	Well Diameter (in): 4"

Purge Date: 10/08/2024	Purge Time: 1730
Purge Method: LOW-FLOW	Field Technician: M.B

Well Volume

A. Well Depth (ft): 50.10	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: 0.0
B. Depth to Water (ft): 42.44	E. Well Volume (gal) C*D): 5.0	Pump Type: Bladder
C. Liquid Depth (ft) (A-B): 7.66	F. Three Well Volumes (gal) (E3): 15.0	Pump Intake Depth: Bottom

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (oC) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10%/ <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1730	13.46	6.44	206	0.081	0.0	12.65	PFAS	0.25	0.0
1736	13.31	6.17	215	0.081	0.0	11.56		0.25	1.25
1740	13.07	6.08	226	0.080	0.0	10.59		0.25	2.5
1745	12.64	6.02	236	0.080	0.0	10.38		0.25	3.75
1750	12.59	5.99	250	0.084	0.0	10.32		0.25	5.0
1755	12.54	6.03	251	0.087	0.0	10.29		0.25	6.25
1800	12.39	6.02	258	0.084	0.0	10.36		0.25	7.5
1805	12.44	6.01	259	0.087	0.0	10.31		0.25	8.75
1810	12.41	6.01	258	0.085	0.0	10.33		0.25	10.0

Total Quantity of Water Removed (gal): 10.0
Samplers: M. Boyle
Sampling Date: 10/08/2024

Sampling Time: 1810
Split Sample With: —
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-12	EA Personnel: MB, LBL	Client: NYSDEC
Location: Liberty - offsite	Well Condition: OK	Weather: 60's, Sunny
Sounding Method: Heron w/M	Gauge Date: 10/08/2024	Measurement Ref: TOC
Stick Up/Down (ft): Flush	Gauge Time: 1100	Well Diameter (in): 2"

Purge Date: ~~10/08/2024~~ 10/08/2024	Purge Time: 1545
Purge Method: Low-Flow	Field Technician: MB

Well Volume

A. Well Depth (ft): 48.75	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.0
B. Depth to Water (ft): 42.05	E. Well Volume (gal) C*D: 1.09	Pump Type: Bladder
C. Liquid Depth (ft) (A-B): 6.7	F. Three Well Volumes (gal) (E3): 3.28	Pump Intake Depth: Bottom

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (oC) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10%/ <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1545	18.51	5.95	190	0.132	159	5.12	PFAS	0.25	0.0
1550	18.22	5.98	208	0.136	128	4.64	|	0.25	1.25
1555	17.89	5.97	212	0.143	75.4	7.96	|	0.25	~~5.0~~ 2.5
1600	17.79	5.98	209	0.146	58.4	7.89	|	0.25	3.75
1605	17.69	5.96	203	0.148	44.3	7.72	|	0.25	5.0
1610	17.58	5.97	197	0.150	41.4	7.83	|	0.25	6.25
1615	17.62	5.98	189	0.151	42.0	7.90	|	0.25	7.5
1620	17.64	5.98	191	0.152	41.8	7.89	|	0.25	8.75

Total Quantity of Water Removed (gal): 8.75
Samplers: M.B
Sampling Date: 10/8/24

Sampling Time: 1620
Split Sample With:
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-14	EA Personnel: LBL	Client: NYSDEC
Location: 1st Ave ROW	Well Condition: OK	Weather: 60's, Partly Cloudy
Sounding Method: N/A (PFAS)	Gauge Date: 10/8/24	Measurement Ref: TOIC
Stick Up/Down (ft): 0.2	Gauge Time: 1600	Well Diameter (in): 2"

Purge Date: 10/8/24	Purge Time: 1505
Purge Method: low flow - bladder	Field Technician: LBL

Well Volume

A. Well Depth (ft): 99.48	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.2
B. Depth to Water (ft): 42.08	E. Well Volume (gal) C*D: 9.36	Pump Type: bladder
C. Liquid Depth (ft) (A-B): 57.40	F. Three Well Volumes (gal) (E3): 28.1	Pump Intake Depth: Bottom

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (oC) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10% / <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1505	17.21	6.21	57	0.148	79.7	4.81	—	0.3	
1520	17.08	6.03	83	0.141	68.2	4.61	—	0.3	
1525	16.93	6.92	112	0.138	59.5	4.36	—	0.3	
1530	16.84	6.90	126	0.136	53.2	4.12	—	0.3	
1535	16.78	5.89	138	0.136	50.4	4.07	—	0.3	
1540	15.91	5.81	143	0.138	32.3	2.19	—	0.3	
1545	14.92	5.72	156	0.143	19.6	0.17	—	0.3	
1550	14.63	5.59	169	0.148	4.2	0.00	—	0.3	
1555	14.40	5.57	169	0.150	0.0	0.00	—	0.3	
1600	14.38	5.56	169	0.151	0.0	0.00	—	0.3	

Total Quantity of Water Removed (gal):	15	Sampling Time:	1600
Samplers:	LBL	Split Sample With:	N/A
Sampling Date:	10/8/24	Sample Type:	Grab

COMMENTS AND OBSERVATIONS:

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-16	Personnel: LBL	Client: NYSDEC
Location: Gil Hodges Park	Well Condition: OK	Weather: 60's, Sunny
Sounding Method: N/A (PPAS)	Gauge Date: 10/8/24	Measurement Ref: TOC
	Gauge Time: 1100	
Stick Up/Down (ft): 0.2	PID Headspace Reading: 00	Well Diameter (in): 2"

Purge Date: 10/8/24	Purge Time:
Purge Method: low flow - bladder	Field Technician: LBL

Well Volume

A. Well Depth (ft): 99.37	D. Well Volume (gal/ft): 0.163	Depth/Height of Top of PVC: 0.2
B. Depth to Water (ft): 42.67	E. Well Volume (gal) (C*D): 9.24	Pump Type: bladder
C. Liquid Depth (ft) (A-B): 56.70	F. Three Well Volumes (gal) (E*3): 27.7	Pump Intake Depth: Bottom

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)
1730	5.82	0.189	0.0	4.81	18.11	191	—	0.3	
1735	5.71	0.189	0.0	4.61	18.02	206	—		
1740	5.55	0.187	0.0	4.24	17.87	219	—		
1745	5.42	0.186	0.0	4.11	17.61	222	—		
1750	5.31	0.184	0.0	4.06	17.49	236	—		
1755	5.27	0.184	0.0	4.04	17.36	239	—		
1800	5.24	0.184	0.0	4.05	17.29	242	—		
~~1805~~	~~1.05~~	~~0.183~~							
1805	5.17	0.183	0.0	4.05	17.34	243	—	0.3	
1810	5.12	0.185	0.0	4.02	17.11	247	—	0.3	
1815	5.09	0.186	0.0	4.00	17.22	250	—	0.3	

Total Quantity of Water Removed (gal):	15	Sampling Time:	1815
Samplers:	LBL	Split Sample With:	N/A
Sampling Date:	10/8/24	Sample Type:	GW 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-18	EA Personnel: M.B, L.BL	Client: NYSDEC
Location: Liberty - Offsite	Well Condition: Good	Weather: 70's, Sunny
Sounding Method: Heron WLM	Gauge Date: 10/08/2024	Measurement Ref: TOC
Stick Up/Down (ft): FLUSH	Gauge Time: 1305	Well Diameter (in): 2"

Purge Date: 10/08/2024	Purge Time: 1215
Purge Method: Low-Flow	Field Technician: M.B

Well Volume

A. Well Depth (ft): 147.46	D. Well Volume (ft): 0.163	Depth/Height of Top of PVC: 0.0
B. Depth to Water (ft): 43.71	E. Well Volume (gal) C*D: 16.9	Pump Type: Bladder
C. Liquid Depth (ft) (A-B): 103.75	F. Three Well Volumes (gal) (E3): 50.7	Pump Intake Depth: Bottom

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (oC) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10%/ <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1215	17.36	6.17	186	0.142	21.1	7.64	PFAS	0.25	0.0
1220	17.42	6.18	190	0.137	18.6	7.97			1.25
1225	17.39	6.18	211	0.151	12.3	7.89			2.5
1230	17.11	6.16	222	0.155	8.6	8.04			3.75
1235	16.98	6.14	217	0.174	10.0	8.12			5.0
1240	16.69	6.12	218	0.168	6.2	8.17			6.25
1245	16.61	6.11	216	0.170	4.7	8.19			7.5
1250	16.56	6.10	215	0.189	0.0	8.21			8.75
1255	16.48	6.11	216	0.160	0.0	8.32			10.0
1300	16.51	6.11	216	0.160	0.0	8.28			11.25

Total Quantity of Water Removed (gal): 11.25
Samplers: M.B
Sampling Date: 10/08/2024

Sampling Time: 1300
Split Sample With: DUP-01
Sample Type: ~~GW~~ GW-AB

COMMENTS AND OBSERVATIONS:

EA Engineering, P.C.
EA Science and Technology

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GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-19	EA Personnel: M.B, L.B.L	Client: NYSDEC
Location: SWCA property	Well Condition: OK	Weather: 60's, Sunny
Sounding Method: N/A (PFAS)	Gauge Date: 10/8/24	Measurement Ref: TOIC
Stick Up/Down (ft): 0.2	Gauge Time: 14:00	Well Diameter (in): 4"

Purge Date: 10/8/24	Purge Time: 1140
Purge Method: bladder, low flow	Field Technician: LBL

Well Volume

A. Well Depth (ft): 247.62	D. Well Volume (ft): 0.653	Depth/Height of Top of PVC: 0.2
B. Depth to Water (ft): 44.82	E. Well Volume (gal) C*D: 126.34	Pump Type: bladder
C. Liquid Depth (ft) (A-B): 202.80	F. Three Well Volumes (gal) (E3): 379.00	Pump Intake Depth: 242

Water Quality Parameters

Time (hrs) 3-5 min	Temperature (oC) ± 1 °C	pH (pH units) ± 0.1 pH	ORP (mV) ± 10 mV	Conductivity (S/m) ± 3%	Turbidity (ntu) ± 10 NTUs	DO (mg/L) ± 10%/ <0.5	DTW (ft btoc) ± 0.3 feet	Rate (Lpm) 0.1-0.5 Lpm	Volume (liters)
1140	14.16	6.13	47	0.299	0.0	4.19	—	0.3	
1145	13.67	6.02	49	0.292	0.0	4.06	—		
1150	13.31	5.95	61	0.287	0.0	4.00	—		
1155	13.01	5.87	68	0.283	0.0	3.87	—		
1200	12.86	5.86	75	0.272	0.0	3.72	—		
1205	12.71	5.86	82	0.254	0.0	3.59	—		
1210	12.52	5.84	87	0.211	0.0	3.36	—		
1215	12.36	5.81	99	0.194	0.0	3.21	—		
1220	12.28	5.81	103	0.186	0.0	3.08	—		
1225	12.26	5.81	111	0.180	0.0	3.00	—		
1230	12.22	5.80	123	0.172	0.0	2.96	—	0.3	
1235	12.19	6.02	151	0.161	0.0	2.87	—		
1240	12.17	6.16	157	0.139	0.0	2.80	—		
1245	12.16	6.17	158	0.139	0.0	2.78			
1250	12.13	6.18	160	0.139	0.0	2.77			

Total Quantity of Water Removed (gal):	12.5	Sampling Time:	1250
Samplers:	LBL	Split Sample With:	MS/MSD
Sampling Date:	10/8/24	Sample Type:	GW QC

COMMENTS AND OBSERVATIONS: collect sample for Metals + PFAS

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-20	Personnel: LBL	Client: NYSDEC
Location: 3rd Ave ROW	Well Condition: OK	Weather: 60's, Sunny
Sounding Method: N/A (PFAS)	Gauge Date: 10/9/24	Measurement Ref: TOIC
	Gauge Time: 1100	
Stick Up/Down (ft): 0.3	PID Headspace Reading: 0.0	Well Diameter (in): 2"

Purge Date: 10/9/24	Purge Time: 0835
Purge Method: low-flow - bladder	Field Technician: LBL

Well Volume

A. Well Depth (ft): 147.11	D. Well Volume (gal/ft): 0.163	Depth/Height of Top of PVC: 0.2
B. Depth to Water (ft): 41.43	E. Well Volume (gal) (C*D): 17.23	Pump Type: bladder
C. Liquid Depth (ft) (A-B): 105.68	F. Three Well Volumes (gal) (E*3): 51.7	Pump Intake Depth: Bottom

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)
0835	8.71	0.177	30.6	4.19	14.24	56	PFAS	0.25	0.0
0840	8.58	0.170	21.1	4.06	13.92	49			1.25
0845	8.06	0.159	20.4	4.11	13.66	37			2.5
0850	7.84	0.163	16.2	3.98	13.04	28			3.75
0855	7.21	0.166	15.0	3.82	12.88	22			5.0
0900	6.63	0.151	13.2	3.03	12.72	19			6.25
0905	6.57	0.139	5.6	2.92	12.81	18			7.5
0910	6.41	0.141	1.1	2.86	12.55	18			8.75
0915	6.43	0.138	0.0	2.79	12.60	18			10.0
0920	6.42	0.139	0.0	2.83	12.56	18			11.25

Total Quantity of Water Removed (gal):	11.25	Sampling Time:	0920
Samplers:	LBL	Split Sample With:	FD-01
Sampling Date:	10/9/24	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%

GROUNDWATER SAMPLING PURGE FORM

Well I.D.: MW-21	Personnel: MB, LBL	Client: WYSDEC
Location: Liberty	Well Condition: Good	Weather: 70's, Sunny
Sounding Method: Heron Wlm	Gauge Date: 10/09/24 Gauge Time: 1100	Measurement Ref: TOC
Stick Up/Down (ft): Flush	PID Headspace Reading: 0.0	Well Diameter (in): 2"

Purge Date: 10/09/2024	Purge Time: 0830
Purge Method: Low Flow	Field Technician: MB

Well Volume

A. Well Depth (ft): 108.70	D. Well Volume (gal/ft): 0.163	Depth/Height of Top of PVC: 0.0
B. Depth to Water (ft): 41.29	E. Well Volume (gal) (C*D): 10.99	Pump Type: Bladder
C. Liquid Depth (ft) (A-B): 67.41	F. Three Well Volumes (gal) (E*3): 32.96	Pump Intake Depth: Bottom

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)
0830	6.40	0.246	6.0	9.61	12.63	231	PFAS	0.25	0.0
0835	6.36	0.242	2.6	9.82	12.89	240		0.25	1.25
0840	6.51	0.234	1.4	9.90	12.70	252		0.25	2.5
0845	6.27	0.231	2.3	10.03	12.47	268		0.25	3.75
0850	6.22	0.202	1.9	12.61	12.36	270		0.25	5.0
0855	6.18	0.263	0.8	11.90	12.28	277		0.25	6.25
0900	6.12	0.259	0.0	11.88	12.30	281		0.25	7.5
0905	6.11	0.261	0.0	11.92	12.31	282		0.25	8.75
0910	6.11	0.262	0.0	11.90	12.34	281		0.25	10.0
		L							

Total Quantity of Water Removed (gal): 10.0
Samplers: M.B
Sampling Date: 10/09/2024
Sampling Time: 0910
Split Sample With: ~~Duplicate~~ FD01
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%

KR-10724-83

CHAIN OF CUSTODY

GW
FB
EB

Page 1 of 1

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

FED-EX Tracking #: 7377 5686 6814 7377 5686 6685
Bottle Order Control #:
SGS Quote #:
SGS Job #: JD98055

Client / Reporting Information

Company Name: EH Eng.
Street Address: 333 W. Washington
City: Syracuse State: NY Zip: 13202
Project Contact: Grant Reeder E-mail: greeder@eaastcom
Phone #: 603-856-6124
Sampler(s) Name(s): Lincoln B-L Phone #: 716-364-7282

Project Information

Project Name: Liberty Industrial
Street: 3rd Ave
City: Utica State: NY
Project #: 102534
Client Purchase Order #:
Project Manager: Josh Oliver

Billing Information (if different from Report to)
Company Name:
Street Address:
City: State: Zip:
Attention:

XMTAL + MS
LCID 1633 LIST40

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	Number of Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	pH Check (Lab Use Only)		LAB USE ONLY
1	152108-MW-19		10/8	1250	LBL	G	N	GW	12			3		9				X	X	A22
2	152108-MW-18		10/8	1300		G			4			1		3				X	X	M47
3	152108-MW-14		10/8	1600		G			4			1		3				X	X	MS4 TY
4	152108-MW-12		10/8	1620		G			4			1		3				X	X	
5	152108-MW-10		10/8	1810		G			4			1		3				X	X	
6	152108-MW-16		10/8	1815		G			4			1		3				X	X	
7	152108-MW-21		10/9	0910		G			4			1		3				X	X	
8	152108-MW-20		10/9	0920		G			4			1		3				X	X	
9	152108-FD-01		10/9	—		G			4			1		3				X	X	
10	152108-FB-100824		10/8			G		FB	3					3					X	
11	152108-EQB-100824		10/8			G		EB	3					3					X	
	~~152108-FB-100824~~		~~10/9~~			G		FB	3					3					X	

Turn Around Time (Business Days)

Approved By (SGS PM) / Date:

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

All data available via SGS Engage

* Approval needed for 1-3 BD TAT

Deliverable

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

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

Comments / Special Instructions

SD-38

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

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

	Relinquished by:	Date / Time:	Received By:
1	[signature]	10/9/24 1635	FedEx
2	[signature]		FedEx
3			
4			
5			

	Relinquished by:	Date / Time:	Received By:
1			
2		10/10 10:30	[signature]
3			
4			
5			

Custody Seal #: ☐ Intact ☐ Not intact ☐ Absent

Therm ID: On Ice ☑ See Sample Receipt Summary

Cooler Temp. °C

EHSA-QAC-0023-05 Rev Date:8/5/22

2.5 x 12.5 3.0 CIROD

SGS Sample Receipt Summary

Job Number: JD98055 **Client:** EA ENGINEERING **Project:** LIBERTY INDUSTRIAL FINISHING, SUFFO

Date / Time Received: 10/10/2024 10:30:00 AM **Delivery Method:** FEDEX **Airbill #'s:** 7377-5686-6874

Cooler Temps (Raw Measured) °C: Cooler 1: (2.5); Cooler 2: (3.0);

Cooler Temps (Corrected) °C: Cooler 1: (2.9); Cooler 2: (3.4);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR-50		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	2		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

Appendix B

Historical Groundwater Metals Results

		Location ID	MW-1R	MW-1R	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
		Sample Name	MW-1R-20191209	MW-1RF	LMW-02U	LMW-02F	MW-2-20120823	LMW-2F	MW-2-20131106	LMW-2F	LMW-2
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	12/9/2019	12/9/2019	5/26/2011	5/26/2011	8/23/2012	8/23/2012	11/6/2013	11/6/2013	3/18/2015
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	680	320	118 B	< 66 U	602	< 66 U	< 200 U	< 200 U	1200
Antimony	3	µg/L	< 3 U	< 3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	58	57	44.6 B	44.9 B	39.5 B	31.9 B	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 2 U	< 2 U	**8.5**	**5.5**	3.5 B	2.7 B	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	27000	27000	16300	16700	20400	21500	30000	29000	16000
Chromium, Total	50	µg/L	< 50 U	< 50 U	**51.9**	48.2	26.7	12.0 B	**62**	**59**	< 50 U
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	< 50 U	24.0 B	< 3.6 U	14.4 B	4.2 B	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	**810**	**390**	205	< 31 U	**853**	< 31 U	< 300 U	< 300 U	**1700**
Lead	25	µg/L	< 3 U	< 3 U	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	10
Magnesium	35000	µg/L	5000	5100	3180	3250	3720	3870	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	71	52	< 10 U	< 10 U	17.7 B	< 10 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	< 50 U	< 50 U	5.5 B	2.7 B	4.6 B	3.3 B	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	2720	2610	1710 E	1660	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**32000**	**32000**	**21300**	**22400**	**21400**	**22900**	15000	16000	9600
Thallium	0.5	µg/L	< 2 U	< 2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 1.1 U	< 1.1 U	1.4 B	< 1.1 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	< 50 U	29.2 B	24.8 B	51	26.1 B	< 50 U	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2
		Sample Name	LMW-2F	LMW-2	LMW-2F	LMW-2	LMW-2F	MW-2-20181114	LMW-2F	MW-2-20191209	MW-2F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	3/18/2015	5/11/2016	5/11/2016	9/13/2017	9/13/2017	11/14/2018	11/14/2018	12/9/2019	12/9/2019
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	2.9	3.2	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	15000	29000	30000	32000	34000	22000	21000	23000	25000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	5500	5800	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.7 U	< 0.7 U	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	9700	14000	15000	**25000**	**26000**	14000	14000	9400	10000
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
		Sample Name	LMW-03U	LMW-03F	MW-3-20120823	LMW-3F	MW-3-20131104	LMW-3F	LMW-3	LMW-3F	LMW-3
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	5/26/2011	5/26/2011	8/23/2012	8/23/2012	11/4/2013	11/4/2013	3/18/2015	3/18/2015	5/11/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	346	< 66 U	360	< 66 U	470	< 200 U	1400	< 200 U	330
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	19.1 B	18.1 B	28.9 B	27.9 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**6.6**	4.6 B	3.0 B	2.8 B	4.7	3.5	4.2	2.4	**7.9**
Calcium	NSL	µg/L	16900	16800	28600	29400	29000	27000	16000	16000	26000
Chromium, Total	50	µg/L	**59.6**	32.6	**118**	**103**	**140**	**95**	**170**	**61**	**97**
Cobalt	NSL	µg/L	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	45.5	11.7 B	14.2 B	6.5 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	**462**	< 31 U	**414**	45.4 B	**650**	< 300 U	**1800**	< 300 U	**700**
Lead	25	µg/L	14.1	< 4.2 U	< 4.2 U	< 4.2 U	8.5	< 3 U	18	< 3 U	7.2
Magnesium	35000	µg/L	2710	2760	5100	5180	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	11.8 B	< 10 U	< 10 U	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	6.7 B	4.3 B	3.8 B	3.4 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	1950	1770	2560 E	2480	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	12400	13200	**30800**	**31000**	**38000**	**35000**	**24000**	**26000**	**26000**
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	1.4 B	< 1.1 U	1.1 B	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	54.9	40.4 B	19.6 B	19.3 B	< 50 U	< 50 U	61	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
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J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3	MW-3
		Sample Name	LMW-3F	LMW-3	LMW-53	LMW-3F	LMW-53F	MW-3-20181114	LMW-3F	MW-3-20191209	MW-3F
		Parent Sample ID			MW-3-20170913		MW-3-20170913F				
		Total/Dissolved	Dissolved	Total	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	5/11/2016	9/13/2017	9/13/2017	9/13/2017	9/13/2017	11/14/2018	11/14/2018	12/9/2019	12/9/2019
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	240	< 200 U	< 200 U	< 200 U	730	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	65	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**5.8**	**9.6**	**9.5**	**8.5**	**8.1**	**5**	3.8	2.7	< 2 U
Calcium	NSL	µg/L	25000	23000	**23000**	23000	23000	17000	16000	23000	24000
Chromium, Total	50	µg/L	< 50 U	**67**	**66**	< 50 U	< 50 U	**52**	< 50 U	**57**	**56**
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	58	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 300 U	**350**	**330**	< 300 U	< 300 U	**1000**	< 300 U	**430**	**370**
Lead	25	µg/L	< 3 U	3.9	4	< 3 U	< 3 U	12	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**25000**	**32000**	**32000**	**33000**	**33000**	**25000**	**23000**	**35000**	**36000**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	88	63	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4
		Sample Name	LMW-04U	LMW-04F	MW-4-20120823	LMW-4F	MW-4-20131104	LMW-4F	LMW-4	LMW-4F	LMW-4
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	5/26/2011	5/26/2011	8/23/2012	8/23/2012	11/4/2013	11/4/2013	3/18/2015	3/18/2015	5/11/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	2560	< 66 U	1980	1130	310	< 200 U	2200	< 200 U	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	4.8 B	< 4.3 U	6.4 B	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	2.1
Barium	1000	µg/L	27.1 B	13.2 B	22.8 B	21.6 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**54.2**	**19.8**	**28.2**	**27.3**	**26**	**21**	**20**	**11**	**24**
Calcium	NSL	µg/L	14200	12300	18700	19600	33000	30000	**8400**	8300	26000
Chromium, Total	50	µg/L	**176**	**142**	**74.9**	**58.7**	< 50 U	< 50 U	**53**	< 50 U	< 50 U
Cobalt	NSL	µg/L	3.3 B	2.6 B	0.73 B	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	137	43.5	69.7	58.9	< 50 U	< 50 U	60	< 50 U	< 50 U
Iron	300	µg/L	**2660**	109 B	**2000**	**1110**	**320**	< 300 U	**2200**	< 300 U	< 300 U
Lead	25	µg/L	**43.2**	< 4.2 U	15.5	9.8 B	< 3 U	< 3 U	22	< 3 U	< 3 U
Magnesium	35000	µg/L	1710	1270	2770	2870	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	47.1 B	12.3 B	18.4 B	14.4 B	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	0.036 B	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	43.5 B	12.8 B	17.5 B	15.8 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	6600	6790	2340 E	2460	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**26100**	**29100**	13400	14400	**21000**	**21000**	< 5000 U	< 5000 U	**26000**
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	7.0 B	1.2 B	4.9 B	3.2 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	630	109	257	220	160	130	220	97	120

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-5	MW-5
		Sample Name	LMW-4F	LMW-4	LMW-4F	MW-4-20181114	LMW-4F	MW-4-20191209	MW-4F	LMW-05U	LMW-05F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	5/11/2016	9/13/2017	9/13/2017	11/14/2018	11/14/2018	12/9/2019	12/9/2019	5/23/2011	5/23/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	360	< 200 U	1400	< 200 U	940	330	< 66 U	< 66 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 9.3 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4.3 U	< 4.3 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	9.0 B	8.3 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.26 U	< 0.26 U
Cadmium	5	µg/L	**23**	**95**	**80**	**98**	**83**	**47**	**46**	< 0.89 U	< 0.89 U
Calcium	NSL	µg/L	26000	24000	23000	33000	29000	25000	25000	6280	5400
Chromium, Total	50	µg/L	< 50 U	110	**90**	**100**	< 50 U	**110**	**85**	1.8 B	0.88 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.67 U	< 0.67 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	110	56	61	< 50 U	< 3.6 U	< 3.6 U
Iron	300	µg/L	< 300 U	**430**	< 300 U	**1400**	**340**	**1100**	**380**	151 B	54.3 B
Lead	25	µg/L	< 3 U	4.3	< 3 U	15	3.1	11	4.5	< 4.2 U	< 4.2 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	2370	2140
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	10.4 B	< 10 U
Mercury	0.7	µg/L	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.028 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	2.5 B	1.3 B
Potassium	NSL	µg/L	< 5000 U	< 5000 U	5000	6300	5100	6600	6700	627 B	613 B
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 12 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 6.9 U	< 6.9 U
Sodium	20000	µg/L	**26000**	8900	12000	9600	8300	12000	13000	8000	7420
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 6.2 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 1.1 U	< 1.1 U
Zinc	2000	µg/L	110	180	140	430	260	240	180	27.9 B	24.5 B

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E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5
		Sample Name	MW-5-20120820	LMW-55	LMW-5F	LMW-55F	MW-5-20131105	LMW-5F	LMW-5	LMW-5F	LMW-5
		Parent Sample ID		MW-5-20120820		MW-5F-20120820					
		Total/Dissolved	Total	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	8/20/2012	8/20/2012	8/20/2012	8/20/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	5/10/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	245	249	157 B	160 B	< 200 U	< 200 U	500	< 200 U	210
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	56.9 B	58.9 B	60.4 B	63.1 B	< 50 U	< 50 U	< 50 U	< 50 U	61
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 0.89 U	< 0.89 U	< 0.89 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	17800	18000	18600	18200	16000	18000	16000	17000	18000
Chromium, Total	50	µg/L	1.7 B	2.4 B	1.5 B	1.2 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	< 3.6 U	< 3.6 U	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	52.4 B	57.4 B	< 31 U	< 31 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	3210	3300	3390	3320	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	68.2	71.2	67.4	66.5	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	2.3 B	2.7 B	2.9 B	2.4 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	5410 E	5590 E	5440	5430	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	18100	18500	19000	18800	9100	11000	14000	14000	**21000**
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	10.5 B	11.9 B	10.3 B	9.5 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-5	MW-6	MW-6
		Sample Name	LMW-5F	LMW-5	LMW-5F	MW-5-20181114	LMW-5F	MW-5-20191209	MW-5F	LMW-06U	LMW-06F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	5/10/2016	9/13/2017	9/13/2017	11/14/2018	11/14/2018	12/9/2019	12/9/2019	5/23/2011	5/23/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	220	< 200 U	< 200 U	< 200 U	410	< 200 U	< 66 U	< 66 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 9.3 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 4.3 U	< 4.3 U
Barium	1000	µg/L	68	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	34.4 B	33.9 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 0.26 U	< 0.26 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	2.7	< 2 U	< 0.89 U	< 0.89 U
Calcium	NSL	µg/L	20000	17000	16000	20000	20000	23000	21000	19500	20000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	**110**	< 50 U	15.7 B	14.7 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 0.67 U	< 0.67 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 3.6 U	< 3.6 U
Iron	300	µg/L	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**530**	< 300 U	< 31 U	< 31 U
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.2 U	< 4.2 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	2190	2240
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 10 U	< 10 U
Mercury	0.7	µg/L	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.028 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 0.85 U	< 0.85 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	7800	7700	< 5000 U	< 5000 U	3500	3530
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 12 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 6.9 U	< 6.9 U
Sodium	20000	µg/L	**23000**	6800	6900	10000	11000	16000	16000	7760	7890
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 6.2 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 1.1 U	< 1.1 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	16.6 B	18.8 B

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E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6	MW-6
		Sample Name	MW-6-20120820	LMW-6F	MW-6-20131105	LMW-6F	LMW-6	LMW-6F	LMW-6	LMW-6F	LMW-6
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	8/20/2012	8/20/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	5/10/2016	5/10/2016	9/13/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	488	< 66 U	< 200 U	< 200 U	< 200 U	< 200 U	800	< 200 U	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	14.4 B	2.7 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 0.89 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	7700	7750	5800	6100	8300	7900	8800	7900	7800
Chromium, Total	50	µg/L	2.1 B	< 0.64 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	0.86 B	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	4.0 B	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	**338**	39.8 B	< 300 U	< 300 U	< 300 U	< 300 U	**990**	< 300 U	< 300 U
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	3.1	< 3 U	< 3 U
Magnesium	35000	µg/L	3180	3180	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	21.8 B	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.5 U
Nickel	100	µg/L	2.4 B	2.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	753 B	552 B	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	10000	10300	7600	7700	8600	8400	8700	8800	9000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	12.4 B	7.9 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
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E = Concentration exceeded the calibration range.
J = Concentration is estimated.
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U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-6	MW-6	MW-6	MW-6	MW-6	MW-7	MW-7	MW-7	MW-7
		Sample Name	LMW-6F	MW-6-20181114	LMW-6F	MW-6-20191209	MW-6F	MW-7-20181113	LMW-7F	MW-7-20191209	MW-7F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	9/13/2017	11/14/2018	11/14/2018	12/9/2019	12/9/2019	11/13/2018	11/13/2018	12/9/2019	12/9/2019
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	390	< 200 U	660	250
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	63	59
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	2.2	< 2 U	2.9	< 2 U
Calcium	NSL	µg/L	7600	9800	9500	12000	11000	13000	11000	31000	31000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 300 U	< 300 U	< 300 U	**320**	< 300 U	< 300 U	< 300 U	**960**	**420**
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	4.4	< 3 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	9300	11000	11000	11000	11000	18000	16000	**88000**	**87000**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
		Sample Name	LMW-10U	LMW-10F	MW-10-20120823	LMW-10F	MW-10-20131104	LMW-10F	LMW-10	LMW-10F	LMW-10
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	5/26/2011	5/26/2011	8/23/2012	8/23/2012	11/4/2013	11/4/2013	3/19/2015	3/19/2015	5/9/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	101 B	< 66 U	159 B	< 66 U	210	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	35.0 B	32.5 B	28.7 B	28.1 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**10.3**	**11.3**	**36.1**	**34.9**	**49**	**50**	**42**	**33**	**53**
Calcium	NSL	µg/L	18700	18700	25900	26000	28000	28000	22000	20000	22000
Chromium, Total	50	µg/L	**72.7**	**89.3**	**152**	**155**	**140**	**140**	**92**	**83**	**130**
Cobalt	NSL	µg/L	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	< 3.6 U	< 3.6 U	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	245	< 31 U	**391**	< 31 U	**420**	< 300 U	**410**	< 300 U	< 300 U
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	3700	3590	3640	3650	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	16.8 B	< 10 U	18.9 B	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	1.6 B	0.91 B	3.5 B	3.5 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	2380	2530	4810 E	4770	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	17100	19300	14800	14900	9200	9300	12000	13000	18000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	27.1 B	21.7 B	< 4.9 U	< 4.9 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10	MW-10
		Sample Name	LMW-10F	LMW-10	LMW-10F	MW-10-20181112	LMW-10F	MW-10-20191210	MW-10F	152108-MW-10-20230829	152108-MW-10
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total
		Sample Date	5/9/2016	9/14/2017	9/14/2017	11/12/2018	11/12/2018	12/10/2019	12/10/2019	8/29/2023	10/8/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	770	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	81.2	86.6
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	30.8	20.4
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U
Cadmium	5	µg/L	**57**	**80**	**72**	**57**	**60**	**73**	**69**	**96**	**95.1**
Calcium	NSL	µg/L	22000	18000	18000	29000	27000	30000	27000	23800	23600
Chromium, Total	50	µg/L	**130**	**82**	**81**	**120**	**110**	**180**	**160**	**55.2**	46.7
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 4.0 U	< 4.0 U
Iron	300	µg/L	< 300 U	2200	< 300 U	< 300 U	< 300 U	**460**	< 300 U	**380**	245
Lead	25	µg/L	< 3 U	11	< 3 U	< 3 U	< 3 U	3	< 3 U	2.8	1.4
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	3820	3980
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	28	4.8
Mercury	0.7	µg/L	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	7.4	9.8
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	5300	< 5000 U	4480	2670
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U
Sodium	20000	µg/L	18000	11000	11000	13000	12000	13000	12000	**10100**	8950
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
		Sample Name	LMW-12U	LMW-12F	MW-12-20120821	LMW-12F	MW-12-20131105	LMW-512 MW-12-20131105	LMW-12F	LMW-512F MW-12F-20131105	LMW-12
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Dissolved	Total
		Sample Date	5/24/2011	5/24/2011	8/21/2012	8/21/2012	11/5/2013	11/5/2013	11/5/2013	11/5/2013	3/20/2015
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	12000	< 66 U	1560	< 66 U	810	840	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 3 U
Arsenic	25	µg/L	5.1 B	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	88.9 B	28.1 B	44.6 B	48.2 B	< 50 U	< 50 U	51	< 50 U	56
Beryllium	3	µg/L	0.79 B	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**54.8**	4.5 B	4.4 B	**9.3**	2.9	3.2	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	23300	18700	10900	28900	40000	39000	44000	41000	12000
Chromium, Total	50	µg/L	**72.8**	< 0.64 U	**103**	< 0.64 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	4.1 B	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	147	< 3.6 U	10.6 B	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	**11300 N**	**1620 N**	**1740**	39.0 B	**740**	**790**	< 300 U	< 300 U	< 300 U
Lead	25	µg/L	230	< 4.2 U	19.4	< 4.2 U	9.9	11	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	5760	3310	2540	5600	6400	6400	7200	6600	< 5000 U
Manganese	300	µg/L	77.6	37.3 B	211	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	18.5 B	1.9 B	6.4 B	2.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	3670	2870	4350 E	2970	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	8250	7660	15400	16200	12000	12000	14000	13000	15000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	33.0 B	1.5 B	3.9 B	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	488	52.1	32.5 B	55.9	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12	MW-12
		Sample Name	LMW-12F	LMW-12	LMW-62	LMW-12F	LMW-62F	LMW-12	LMW-12F	MW-12-20181112	LMW-12F
		Parent Sample ID			MW-12-20160509		MW-12-20160509F				
		Total/Dissolved	Dissolved	Total	Total	Dissolved	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	3/20/2015	5/9/2016	5/9/2016	5/9/2016	5/9/2016	9/14/2017	9/14/2017	11/12/2018	11/12/2018
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	950	1100	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 2 U	3.2	2.2	2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	58	< 50 U	< 50 U	< 50 U	< 50 U	64	66	< 50 U	< 50 U
Beryllium	3	µg/L	< 1 U	2	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	4.4	**5.4**	3.3	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	29000	27000	28000	28000	27000	41000	43000	45000	46000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 2 U	3	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 300 U	**980**	**1200**	< 300 U	**1200**	< 300 U	< 300 U	**430**	**310**
Lead	25	µg/L	< 3 U	11	9	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	6700	< 5000 U	< 5000 U	< 5000 U	< 5000 U	8600	9100	< 5000 U	< 5000 U
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	82	82
Mercury	0.7	µg/L	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	5300	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**37000**	**30000**	**32000**	**32000**	**31000**	**52000**	**54000**	**27000**	**28000**
Thallium	0.5	µg/L	< 2 U	**2.5**	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	65	67	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
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Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-12	MW-12	MW-12	MW-12	MW-14	MW-14	MW-14	MW-14	MW-14
		Sample Name	MW-12-20191210	MW-12F	152108-MW-12-20230829	152108-MW-12	LMW-14U	LMW-64U LMW-14U-20110524	LMW-14F	LMW-64F LMW-14F-20110524	MW-14-20120821
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Total	Total	Total	Dissolved	Dissolved	Total
		Sample Date	12/10/2019	12/10/2019	8/29/2023	10/8/2024	5/24/2011	5/24/2011	5/24/2011	5/24/2011	8/21/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	260	< 200 U	158	523	652	718	< 66 U	< 66 U	314
Antimony	3	µg/L	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 1.0 U	< 1.0 U	5.6 B	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U
Barium	1000	µg/L	< 50 U	< 50 U	21.8	54.3	57.1 B	57.8 B	50.4 B	49.4 B	47.2 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U	< 0.26 U
Cadmium	5	µg/L	< 2 U	< 2 U	1.9	2.1	**9.2**	**9.4**	**7.6**	**7.8**	**9.3**
Calcium	NSL	µg/L	21000	22000	24200	17700	18300	18200	18400	18400	28100
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 2.0 U	3.6	**51.3**	**51.8**	29.6	29.7	2.4 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 1.0 U	< 1.0 U	0.72 B	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U
Copper	200	µg/L	< 50 U	< 50 U	< 4.0 U	5.8	13.6 B	13.8 B	< 3.6 U	< 3.6 U	5.0 B
Iron	300	µg/L	**380**	< 300 U	224	**658**	**1780 N**	**1750 N**	**1430 N**	32.8 B	279
Lead	25	µg/L	< 3 U	< 3 U	2.6	4.4	18.8	20	< 4.2 U	< 4.2 U	< 4.2 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	**4970**	4630	3840	3850	3700	3750	5450
Manganese	300	µg/L	< 40 U	< 40 U	6.3	14.8	260	262	235	230	< 10 U
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 2.0 U	2.5	11.8 B	10.7 B	8.7 B	8.5 B	1.1 B
Potassium	NSL	µg/L	< 5000 U	< 5000 U	2400	1370	4430	4440	4570	4440	2990 E
Selenium	10	µg/L	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 12 U	< 12 U	< 12 U	< 12 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U
Sodium	20000	µg/L	**53000**	**63000**	15200	19100	**20400**	**20000**	**20300**	**20500**	15400
Thallium	0.5	µg/L	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 2.0 U	2.2	2.4 B	2.3 B	< 1.1 U	< 1.1 U	1.9 B
Zinc	2000	µg/L	< 50 U	< 50 U	26.4	62.5	99.1	98.9	70.1	69.4	56.3

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
		Sample Name	LMW-14F	MW-14-20131105	LMW-14F	LMW-14	LMW-14F	LMW-14	LMW-14F	LMW-14	LMW-14F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	8/21/2012	11/5/2013	11/5/2013	3/20/2015	3/20/2015	5/9/2016	5/9/2016	9/14/2017	9/14/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	954	5300	< 200 U	1500	< 200 U	4000	1200	1700	< 200 U
Antimony	3	µg/L	< 9.3 U	2.2	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	3.2	< 2 U	< 2 U	< 2 U	3.3	2.4	< 2 U	< 2 U
Barium	1000	µg/L	43.3 B	56	< 50 U	< 50 U	< 50 U	55	57	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	3.7 B	**6.6**	2.4	3.5	2.4	4.7	< 2 U	**5.1**	4
Calcium	NSL	µg/L	10900	11000	12000	9700	8900	7500	11000	9500	8800
Chromium, Total	50	µg/L	**88.2**	**170**	< 50 U	**74**	< 50 U	**96**	**56**	**110**	**58**
Cobalt	NSL	µg/L	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	2.2	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	7.2 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	**1180**	**6000**	**930**	**1800**	< 300 U	**4900**	**1700**	**2600**	< 300 U
Lead	25	µg/L	13.2	**53**	3.7	14	< 3 U	**32**	9.9	14	< 3 U
Magnesium	35000	µg/L	2470	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	211	290	**300**	130	110	91	110	59	45
Mercury	0.7	µg/L	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	6.1 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	4170	5000	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	15400	10000	12000	**110000**	**100000**	6300	11000	**21000**	**21000**
Thallium	0.5	µg/L	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	2.3 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	25.5 B	94	< 50 U	77	< 50 U	210	82	55	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14	MW-14
		Sample Name	MW-14-20181112	LMW-64U	LMW-14F	LMW-64F	MW-14-20191210	MW-14F	152108-MW-14-20230828	152108-MW-14D-20230828	152108-MW-14
		Parent Sample ID		MW-14-20181112		MW-14-20181112F				152108-MW-14-20230828	
		Total/Dissolved	Total	Total	Dissolved	Dissolved	Total	Dissolved	Total	Total	Total
		Sample Date	11/12/2018	11/12/2018	11/12/2018	11/12/2018	12/10/2019	12/10/2019	8/28/2023	8/28/2023	10/8/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	1400	2600	< 200 U	< 200 U	840	< 200 U	225	261	340
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 4.0 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	64	58	78.1	80.6	33.8
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	5	µg/L	**9.1**	**8.8**	**8.6**	**7.9**	**16**	**16**	**8.6**	**9.4**	3.2
Calcium	NSL	µg/L	12000	10000	11000	9900	16000	16000	18500	17000	11600
Chromium, Total	50	µg/L	**120**	**160**	**63**	**56**	**72**	**54**	**60.2**	**59.1**	12.7
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 4.0 U	6.8	6.4
Iron	300	µg/L	**1600**	**2700**	< 300 U	< 300 U	**1500**	< 300 U	**336**	**398**	**685**
Lead	25	µg/L	11	21	< 3 U	< 3 U	7.9	< 3 U	3.1	4.1	3
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	3760	3440	2690
Manganese	300	µg/L	58	45	52	44	86	71	298	288	39.2
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U	< 0.20 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	15.7	15.2	10.4
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	3790	3570	1460
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 1.0 U
Sodium	20000	µg/L	13000	13000	12000	11000	15000	14000	**32900**	**33000**	**26200**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	2.3	2.1
Zinc	2000	µg/L	< 50 U	68	< 50 U	< 50 U	< 50 U	< 50 U	< 10 U	12.2	102

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B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
		Sample Name	LMW-16U	LMW-16F	MW-16-20120823	LMW-16F	MW-16-20131104	LMW-16F	LMW-16	LMW-16F	LMW-16
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	5/26/2011	5/26/2011	8/23/2012	8/23/2012	11/4/2013	11/4/2013	3/19/2015	3/19/2015	5/9/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	1150	586	340	322	1400	440	< 200 U	< 200 U	1200
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	299	351	339	339	230	240	180	160	180
Beryllium	3	µg/L	2.0 B	1.8 B	0.70 B	0.72 B	1.5	1.2	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	**5.3**	4.9 B	4.2 B	4.3 B	4.4	3.9	3.9	3.4	4.2
Calcium	NSL	µg/L	9240	9890	12100	11700	9800	10000	14000	12000	11000
Chromium, Total	50	µg/L	11.7 B	8.9 B	2.8 B	2.3 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 0.67 U	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	9.4 B	11.3 B	66.6	63	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	115 B	< 31 U	49.9 B	< 31 U	**1800**	< 300 U	< 300 U	< 300 U	1600
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	2350	2570	3740	3680	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	**597**	**623**	**661**	**632**	**570**	**530**	**380**	**350**	**700**
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	13.9 B	14.1 B	11.8 B	12.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	4930	4880	6010 E	5860	5100	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	14700	14500	13900	13500	11000	11000	10000	10000	11000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 1.1 U	< 1.1 U	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	67.5	69	34.2 B	33.2 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16	MW-16
		Sample Name	LMW-16F	LMW-16	LMW-16F	MW-16-20181112	LMW-16F	MW-16-20191210	MW-56U MW-16-20191210	MW-16F	MW-56F MW-16-20191210F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Dissolved	Dissolved
		Sample Date	5/9/2016	9/14/2017	9/14/2017	11/12/2018	11/12/2018	12/10/2019	12/9/2019	12/10/2019	12/9/2019
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	370	1200	360	2900	400	620	< 200 U	410	< 200 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	160	140	140	170	160	190	< 50 U	180	< 50 U
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	1	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	4.1	**5.2**	**5.1**	**5.5**	**5.7**	**5.2**	< 2 U	4.4	< 2 U
Calcium	NSL	µg/L	10000	10000	11000	11000	12000	13000	11000	12000	11000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	2.2	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 50 U	58	50	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 300 U	**1800**	< 300 U	**4000**	< 300 U	**480**	**360**	< 300 U	< 300 U
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Manganese	300	µg/L	**580**	**900**	**880**	**1200**	**1100**	**1400**	< 40 U	**1300**	< 40 U
Mercury	0.7	µg/L	< 0.7 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	11000	11000	11000	12000	12000	12000	10000	12000	10000
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
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Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-16	MW-16	MW-17	MW-17	MW-17	MW-17	MW-18	MW-18	MW-18
		Sample Name	152108-MW-16-20230829	152108-MW-16	MW-17-20181113	LMW-17F	MW-17-20191210	MW-17F	LMW-18U	LMW-18F	MW-18-20120821
		Parent Sample ID									
		Total/Dissolved	Total	Total	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total
		Sample Date	8/29/2023	10/8/2024	11/13/2018	11/13/2018	12/10/2019	12/10/2019	5/24/2011	5/24/2011	8/21/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	1430	3620	5700	< 200 U	2700	290	193 B	< 66 U	< 66 U
Antimony	3	µg/L	< 4.0 U	< 4.0 U	< 3 U	< 3 U	< 3 U	< 3 U	< 9.3 U	< 9.3 U	< 9.3 U
Arsenic	25	µg/L	< 1.0 U	1.9	2.9	< 2 U	< 2 U	< 2 U	< 4.3 U	< 4.3 U	< 4.3 U
Barium	1000	µg/L	194	248	75	53	210	200	101 B	104 B	61.3 B
Beryllium	3	µg/L	1.4	2.6	< 1 U	< 1 U	1.3	< 1 U	< 0.26 U	< 0.26 U	< 0.26 U
Cadmium	5	µg/L	4.4	2.9	**25**	3.6	**13**	**11**	3.0 B	2.9 B	< 0.89 U
Calcium	NSL	µg/L	12200	12800	31000	32000	48000	49000	21100	21900	15800
Chromium, Total	50	µg/L	8.2	9.9	< 50 U	< 50 U	**55**	< 50 U	3.1 B	2.3 B	1.9 B
Cobalt	NSL	µg/L	1.9	2.1	2.8	< 2 U	3	< 2 U	< 0.67 U	< 0.67 U	< 0.67 U
Copper	200	µg/L	42.1	31.9	< 50 U	< 50 U	< 50 U	< 50 U	6.9 B	< 3.6 U	< 3.6 U
Iron	300	µg/L	**1800**	**2680**	**7700**	**1800**	**3500**	< 300 U	**327 N**	< 31 U	< 31 U
Lead	25	µg/L	1.5	3.2	**49**	3.2	19	< 3 U	< 4.2 U	< 4.2 U	< 4.2 U
Magnesium	35000	µg/L	3080	3180	< 5000 U	< 5000 U	5800	5700	4380	4560	3720
Manganese	300	µg/L	**931**	**997**	**930**	**940**	**1100**	**1100**	**521**	**421**	39.1 B
Mercury	0.7	µg/L	< 0.20 R	0.24	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.028 U	< 0.028 U	< 0.028 U
Nickel	100	µg/L	14.6	18.3	< 50 U	< 50 U	< 50 U	< 50 U	3.4 B	2.4 B	< 0.85 U
Potassium	NSL	µg/L	4510	4850	6500	6400	7300	7400	11500	12500	9220 E
Selenium	10	µg/L	2.5	6.3	< 10 U	< 10 U	< 10 U	< 10 U	< 12 U	< 12 U	< 12 U
Silver	50	µg/L	< 1.0 U	< 1.0 U	< 20 U	< 20 U	< 20 U	< 20 U	< 6.9 U	< 6.9 U	< 6.9 U
Sodium	20000	µg/L	**24600**	18000	**23000**	**24000**	**27000**	**27000**	**28400**	**30200**	**26600**
Thallium	0.5	µg/L	< 1.0 U	< 1.0 U	< 2 U	< 2 U	< 2 U	< 2 U	< 6.2 U	< 6.2 U	< 6.2 U
Vanadium	NSL	µg/L	2.7	4.1	< 50 U	< 50 U	< 50 U	< 50 U	< 1.1 U	< 1.1 U	< 1.1 U
Zinc	2000	µg/L	35.3	78	600	260	480	350	37.2 B	33.8 B	16.0 B

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18
		Sample Name	LMW-18F	MW-18-20131105	LMW-18F	LMW-18	LMW-18F	LMW-18	LMW-18F	LMW-18	LMW-18F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	8/21/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	5/10/2016	5/10/2016	9/14/2017	9/14/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	164 B	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U
Antimony	3	µg/L	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	64.8 B	62	61	< 50 U	< 50 U	86	76	87	89
Beryllium	3	µg/L	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	15700	19000	20000	18000	16000	22000	21000	20000	20000
Chromium, Total	50	µg/L	3.1 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	277	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U
Lead	25	µg/L	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	3650	< 5000 U	< 5000 U	< 5000 U	< 5000 U	5400	5200	5300	5600
Manganese	300	µg/L	**539**	**1200**	< 40 U	**950**	< 40 U	**1000**	**750**	**1300**	**890**
Mercury	0.7	µg/L	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.5 U	< 0.5 U
Nickel	100	µg/L	1.5 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	8720	8200	7800	< 5000 U	< 5000 U	< 5000 U	< 5000 U	5500	5800
Selenium	10	µg/L	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**26000**	**25000**	**26000**	19000	18000	**25000**	**24000**	**24000**	**25000**
Thallium	0.5	µg/L	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	8.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-18	MW-18	MW-18	MW-18	MW-18	MW-18	MW-19	MW-19	MW-19
		Sample Name	MW-18-20181113	LMW-18F	MW-18-20191210	MW-18F	152108-MW-18-20230828	152108-MW-18	LMW-19U	LMW-19F	MW-19-20120821
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Total	Dissolved	Total
		Sample Date	11/13/2018	11/13/2018	12/10/2019	12/10/2019	8/28/2023	10/8/2024	5/24/2011	5/24/2011	8/21/2012
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	< 200 U	< 200 U	< 200 U	80.5	201	< 66 U	< 66 U	< 66 U
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 9.3 U	< 9.3 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 4.3 U	< 4.3 U	< 4.3 U
Barium	1000	µg/L	100	92	91	81	40.9	42.8	13.0 B	12.6 B	11.5 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.26 U	< 0.26 U	< 0.26 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.89 U	2.4 B	< 0.89 U
Calcium	NSL	µg/L	21000	20000	19000	19000	10300	10600	11600	11700	10600
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	0.94 B	< 0.64 U	0.81 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.67 U	< 0.67 U	< 0.67 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 4.0 U	< 4.0 U	< 3.6 U	< 3.6 U	< 3.6 U
Iron	300	µg/L	< 300 U	< 300 U	< 300 U	< 300 U	69.5	284	40.1 B	< 31 U	32.8 B
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 1.0 U	< 1.0 U	< 4.2 U	< 4.2 U	< 4.2 U
Magnesium	35000	µg/L	5600	5500	5300	5100	1990	2430	4460	4480	4130
Manganese	300	µg/L	**1200**	**940**	**1700**	**920**	**2320**	**2110**	< 10 U	< 10 U	< 10 U
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U	< 0.028 U	< 0.028 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	< 0.85 U	< 0.85 U	< 0.85 U
Potassium	NSL	µg/L	6300	5800	6000	5800	5320	3270	993 B	1120	890 B
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 12 U	< 12 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 6.9 U	< 6.9 U	< 6.9 U
Sodium	20000	µg/L	**26000**	**24000**	18000	17000	11200	10400	14600	14600	14500
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 6.2 U	< 6.2 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	< 1.1 U	< 1.1 U	< 1.1 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	28.0 B	28.2 B	< 4.9 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19
		Sample Name	LMW-19F	MW-19-20131105	LMW-19F	LMW-19	LMW-69 MW-19-20150319	LMW-19F	LMW-69F MW-19F-20150319	LMW-19	LMW-19F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Total	Dissolved	Dissolved	Total	Dissolved
		Sample Date	8/21/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	3/19/2015	3/19/2015	5/10/2016	5/10/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 66 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	460	< 200 U
Antimony	3	µg/L	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	9.5 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	10100	11000	11000	15000	13000	13000	13000	16000	14000
Chromium, Total	50	µg/L	< 0.64 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	< 31 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	**730**	< 300 U
Lead	25	µg/L	< 4.2 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U
Magnesium	35000	µg/L	3920	< 5000 U	< 5000 U	5100	< 5000 U	< 5000 U	< 5000 U	6000	< 5000 U
Manganese	300	µg/L	< 10 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	< 0.85 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	867 B	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	13700	14000	14000	17000	17000	16000	17000	19000	16000
Thallium	0.5	µg/L	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	< 4.9 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-19	MW-20
		Sample Name	LMW-19	LMW-19F	MW-19-20181113	LMW-19F	MW-19-20191210	MW-19F	152108-MW-19-20230828	152108-MW-19	LMW-20U
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Total
		Sample Date	9/14/2017	9/14/2017	11/13/2018	11/13/2018	12/10/2019	12/10/2019	8/28/2023	10/8/2024	5/26/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 200 U	< 50 U	< 50 U	303
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 4.3 U
Barium	1000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	9.3	9.9	27.0 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.26 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	1.9	1.9	< 0.89 U
Calcium	NSL	µg/L	13000	13000	11000	11000	12000	12000	10000	10300	7700
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	5.1 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	1.2 B
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 4.0 U	< 4.0 U	6.0 B
Iron	300	µg/L	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 300 U	< 50 U	< 50 U	**879**
Lead	25	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 1.0 U	< 1.0 U	< 4.2 U
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	3990	3810	3790
Manganese	300	µg/L	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 40 U	< 2.0 U	2.1	17.5 B
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	1.8 B
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	1470	1480	2430
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 6.9 U
Sodium	20000	µg/L	15000	16000	14000	14000	15000	15000	13200	12600	**38400**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	< 1.1 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	29.1 J	36.3	52.5

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20
		Sample Name	LMW-20F	MW-20-20120821	LMW-20F	MW-20-20131105	LMW-20F	LMW-20	LMW-20F	LMW-20	LMW-20F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	5/26/2011	8/21/2012	8/21/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	5/10/2016	5/10/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 66 U	411	< 66 U	< 200 U	< 200 U	2000	< 200 U	1200	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	< 9.3 U	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Barium	1000	µg/L	25.4 B	42.1 B	40.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 0.89 U	< 0.89 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	7870	17400	16900	19000	18000	16000	13000	16000	14000
Chromium, Total	50	µg/L	1.1 B	2.0 B	0.91 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	0.93 B	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	< 3.6 U	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	71.7 B	**398**	< 31 U	< 300 U	< 300 U	**2700**	< 300 U	**7600**	< 300 U
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	6.1	< 3 U	5.2	< 3 U
Magnesium	35000	µg/L	3870	8990	8870	9000	9200	7700	6200	7800	7000
Manganese	300	µg/L	< 10 U	23.2 B	< 10 U	< 40 U	< 40 U	64	< 40 U	70	< 40 U
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	< 0.85 U	< 0.85 U	1.0 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	2060	1840 E	1710	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**40300**	**21700**	**21400**	**21000**	**22000**	18000	16000	18000	17000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	< 1.1 U	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	29.7 B	< 4.9 U	< 4.9 U	< 50 U	< 50 U	< 50 U	< 50 U	1500	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-20	MW-21
		Sample Name	LMW-20	LMW-20F	MW-20-20181112	LMW-20F	MW-20-20191211	MW-20F	152108-MW-20-20230829	152108-MW-20	LMW-21U
		Parent Sample ID									
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Total
		Sample Date	9/13/2017	9/13/2017	11/12/2018	11/12/2018	12/11/2019	12/11/2019	8/29/2023	10/9/2024	5/26/2011
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	550	< 200 U	19000	560	4000	680	316	1970	319
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 9.3 U
Arsenic	25	µg/L	< 2 U	< 2 U	11	< 2 U	< 2 U	< 2 U	1.3	< 1.0 U	4.3 B
Barium	1000	µg/L	< 50 U	< 50 U	150	< 50 U	< 50 U	< 50 U	16.3	46.8	78.8 B
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 0.26 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	1.2 B
Calcium	NSL	µg/L	15000	15000	21000	14000	11000	9900	6490	17600	17000
Chromium, Total	50	µg/L	< 50 U	< 50 U	**72**	< 50 U	< 50 U	< 50 U	6.9	16	6.2 B
Cobalt	NSL	µg/L	< 2 U	< 2 U	10	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 0.67 U
Copper	200	µg/L	< 50 U	< 50 U	63	< 50 U	< 50 U	< 50 U	7.1	7.2	8.5 B
Iron	300	µg/L	**680**	< 300 U	**34000**	**570**	**4100**	**700**	**1200**	**1890**	**694**
Lead	25	µg/L	< 3 U	< 3 U	**27**	< 3 U	11	4.9	4	6.7	< 4.2 U
Magnesium	35000	µg/L	7000	7200	10000	6900	5400	< 5000 U	2980	9880	6960
Manganese	300	µg/L	< 40 U	< 40 U	**1100**	62	180	160	12.8	30.5	36.1 B
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 U	< 0.20 U	< 0.028 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	2.4	3.3 B
Potassium	NSL	µg/L	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	< 5000 U	4170	2090	12500
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 12 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 6.9 U
Sodium	20000	µg/L	**20000**	**20000**	19000	18000	16000	15000	**26000**	19200	**24300**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 6.2 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	57	< 50 U	< 50 U	< 50 U	4.3	3.7	1.5 B
Zinc	2000	µg/L	< 50 U	< 50 U	340	< 50 U	67	< 50 U	< 10 U	32.1	65.1

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µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
		Sample Name	LMW-21F	MW-21-20120821	LMW-21F	MW-21-20131105	LMW-21F	LMW-21	LMW-21F	LMW-21	LMW-21F
		Parent Sample ID									
		Total/Dissolved	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved
		Sample Date	5/26/2011	8/21/2012	8/21/2012	11/5/2013	11/5/2013	3/19/2015	3/19/2015	5/10/2016	5/10/2016
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	< 66 U	746	< 66 U	410	< 200 U	870	< 200 U	1400	< 200 U
Antimony	3	µg/L	< 9.3 U	< 9.3 U	**11.9 B**	< 2 U	< 2 U	< 3 U	< 3 U	< 3 U	< 3 U
Arsenic	25	µg/L	< 4.3 U	< 4.3 U	< 4.3 U	< 2 U	< 2 U	< 2 U	< 2 U	2.1	< 2 U
Barium	1000	µg/L	76.2 B	92.6 B	85.9 B	67	67	68	56	73	68
Beryllium	3	µg/L	< 0.26 U	< 0.26 U	< 0.26 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U
Cadmium	5	µg/L	< 0.89 U	< 0.89 U	< 0.89 U	< 2 U	< 2 U	**7.7**	< 2 U	< 2 U	< 2 U
Calcium	NSL	µg/L	16900	14300	14200	14000	14000	32000	12000	12000	13000
Chromium, Total	50	µg/L	3.3 B	13.2 B	10.6 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Cobalt	NSL	µg/L	< 0.67 U	< 0.67 U	< 0.67 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Copper	200	µg/L	< 3.6 U	3.9 B	< 3.6 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Iron	300	µg/L	32.4 B	**1330**	< 31 U	**760**	< 300 U	**900**	< 300 U	**2500**	< 300 U
Lead	25	µg/L	< 4.2 U	< 4.2 U	< 4.2 U	< 3 U	< 3 U	6.8	< 3 U	4.2	< 3 U
Magnesium	35000	µg/L	7240	6050	5820	6100	6100	7600	< 5000 U	6400	6700
Manganese	300	µg/L	19.7 B	96.1	56.7	100	64	< 40 U	< 40 U	96	63
Mercury	0.7	µg/L	< 0.028 U	< 0.028 U	< 0.028 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U	< 0.7 U
Nickel	100	µg/L	1.3 B	2.8 B	2.4 B	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Potassium	NSL	µg/L	9270	7500 E	7050	6200	5800	< 5000 U	< 5000 U	< 5000 U	< 5000 U
Selenium	10	µg/L	< 12 U	< 12 U	< 12 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U
Silver	50	µg/L	< 6.9 U	< 6.9 U	< 6.9 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U
Sodium	20000	µg/L	**21700**	19700	19400	17000	18000	**37000**	15000	17000	19000
Thallium	0.5	µg/L	< 6.2 U	< 6.2 U	< 6.2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U
Vanadium	NSL	µg/L	< 1.1 U	1.8 B	< 1.1 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U
Zinc	2000	µg/L	30.5 B	15.5 B	6.0 B	< 50 U	< 50 U	78	< 50 U	< 50 U	< 50 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21	MW-21
		Sample Name	LMW-21	LMW-21F	MW-21-20181112	LMW-21F	MW-21-20191211	MW-21F	152108-MW-21-20230829	152108-MW-21	152108-FD-01
		Parent Sample ID									152108-MW-21-20241009
		Total/Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Total	Total
		Sample Date	9/13/2017	9/13/2017	11/12/2018	11/12/2018	12/11/2019	12/11/2019	8/29/2023	10/9/2024	10/9/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**	**Result**
Metals (SW6010/SW6020/SW7470/SW7471)											
Aluminum	NSL	µg/L	1500	< 200 U	2500	< 200 U	370	< 200 U	54.1	435	416
Antimony	3	µg/L	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 3 U	< 4.0 U	< 4.0 U	< 4.0 U
Arsenic	25	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Barium	1000	µg/L	97	85	92	84	120	110	105	73.9	76.3
Beryllium	3	µg/L	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1 U	< 1.0 U	< 1.0 U	< 1.0 U
Cadmium	5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Calcium	NSL	µg/L	15000	15000	16000	18000	18000	17000	16800	19800	21000
Chromium, Total	50	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	23.3	19.1	19.7
Cobalt	NSL	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Copper	200	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 4.0 U	< 4.0 U	< 4.0 U
Iron	300	µg/L	**2500**	**340**	**3900**	**580**	**690**	< 300 U	81.7	**474**	**495**
Lead	25	µg/L	3.5	< 3 U	7	< 3 U	< 3 U	< 3 U	< 1.0 U	1.9	1.9
Magnesium	35000	µg/L	< 5000 U	< 5000 U	< 5000 U	5000	5300	5000	3930	5190	5400
Manganese	300	µg/L	140	89	**320**	130	120	< 40 U	292	**694**	**704**
Mercury	0.7	µg/L	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.20 R	< 0.20 U	< 0.20 U
Nickel	100	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	2.7	4.9	5.2
Potassium	NSL	µg/L	7200	7100	6700	7100	8300	7900	5780	4920	5000
Selenium	10	µg/L	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 10 U	< 1.0 U	< 1.0 U	< 1.0 U
Silver	50	µg/L	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 20 U	< 1.0 U	< 1.0 U	< 1.0 U
Sodium	20000	µg/L	**32000**	**32000**	**23000**	**25000**	**48000**	**46000**	**61700**	**28100**	**29100**
Thallium	0.5	µg/L	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 2 U	< 1.0 U	< 1.0 U	< 1.0 U
Vanadium	NSL	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 2.0 U	< 2.0 U	< 2.0 U
Zinc	2000	µg/L	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 50 U	< 10 U	< 10 U	12.5

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

µg/L = Mircogram(s) per liter.
B = Possible blank contamination.
E = Concentration exceeded the calibration range.
J = Concentration is estimated.
N = Indicates presumptive evidence of compound.
NSL = No screening level available.
R = Result was rejected during validation.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

Appendix C

Historical Groundwater PFAS Results

		Location ID	MW-2	MW-3	MW-3	MW-4
		Sample Name	LMW-2	LMW-3	LMW-53	LMW-4
		Parent Sample ID			MW-3-20170913	
		Sample Date	9/13/2017	9/13/2017	9/13/2017	9/13/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	--	--	--	--
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	--	--	--	--
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	--	--	--	--
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	--	--	--	--
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.512 U	< 0.485 U	< 0.512 U	< 0.477 U
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.205 U	< 0.194 U	< 0.205 U	< 0.191 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	--	--	--
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	--	--	--	--
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	--	--	--	--
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	--	--	--	--
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	--	--	--	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	--	--	--	--
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	--	--	--	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.512 U	< 0.485 U	< 0.512 U	< 0.477 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 0.512 U	< 0.485 U	< 0.512 U	< 0.477 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	--	--	--	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	--	--	--
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	--	--	--
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	--	--	--	--
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	--	--	--	--
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	--	--	--	--
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	--	--	--	--
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	3.64	2.43	2.28	2.3
Perfluorobutanoic Acid	NSL	ng/L	3.19	3.1	3.06	5.26
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.205 U	< 0.194 U	< 0.205 U	< 0.191 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.205 U	< 0.194 U	< 0.205 U	1.36 J
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.205 U	< 0.194 U	< 0.205 U	0.270 J
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	0.483 J	7.22	6.4	0.864 J
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	3.19	2.49	2.47	1.92
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	2.07	3.8	3.48	2.64
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	4.5	4.48	4.35	4.06
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	--	--	--	--
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	--	--	--
Perfluorononanoic acid (PFNA)	NSL	ng/L	1.01 J	0.843 J	0.771 J	1.69 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	--	--	--
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**15.8**	**305**	**275**	**23.9**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**9.71**	**7.44**	**7.2**	3.25
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	--	--	--
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	5.93	4.51	4.32	3.59
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.205 U	0.249 J	< 0.205 U	< 0.191 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.205 U	0.316 J	0.283 J	0.212 J
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.205 U	< 0.194 U	< 0.205 U	0.819 J

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

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

		Location ID	MW-5	MW-6	MW-10	MW-10
		Sample Name	LMW-5	LMW-6	LMW-10	152108-MW-10-20230829
		Parent Sample ID				
		Sample Date	9/13/2017	9/13/2017	9/14/2017	8/29/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	--	--	--	< 1.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	--	--	--	< 1.3 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	--	--	--	< 2.0 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	--	--	--	< 0.80 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.546 U	< 0.472 U	< 0.514 U	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	--	--	< 6.2 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	--	--	--	< 5.4 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	--	--	--	< 2.1 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	--	--	--	< 1.1 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	--	--	--	< 2.1 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	--	--	--	< 1.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	--	--	--	< 0.46 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.546 U	< 0.472 U	< 0.514 U	< 0.80 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 0.546 U	< 0.472 U	< 0.514 U	< 3.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	--	--	--	< 0.56 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	--	--	< 0.45 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	--	--	< 2.4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	--	--	--	< 1.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	--	--	--	< 0.24 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	--	--	--	< 0.26 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	--	--	--	< 0.49 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.71	0.543 J	14.8	13.7 J
Perfluorobutanoic Acid	NSL	ng/L	3.86	0.660 J	5.85	6.6 J
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	< 0.96 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	0.486 J	< 0.189 U	< 0.206 U	< 0.54 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	< 0.35 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	0.248 J	< 0.189 U	1.01 J	< 0.68 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	2.24	0.575 J	4.05	< 0.86 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	3.02	1.28 J	1.30 J	6.7
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	3.77	1.61 J	4.98	1.2 J
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	--	--	--	4.4
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	--	--	< 1.3 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	1.39 J	< 0.189 U	0.944 J	0.72 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	--	--	< 0.61 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**29.6**	0.642 J	**50.5**	**112**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**11.1**	1.97	**9.97**	5.8
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	--	--	< 0.89 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	4.26	1.31 J	4.11	3.0 J
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	< 0.67 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	< 0.69 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.219 U	< 0.189 U	< 0.206 U	< 0.48 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

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

		Location ID	MW-10	MW-12	MW-12	MW-12
		Sample Name	152108-MW-10	LMW-12	152108-MW-12-20230829	152108-MW-12
		Parent Sample ID				
		Sample Date	10/8/2024	9/14/2017	8/29/2023	10/8/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	< 1.8 U	--	< 1.6 U	< 1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	< 1.5 U	--	< 1.3 U	< 1.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	< 2.3 U	--	< 2.0 U	< 2.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	< 0.93 U	--	< 0.80 U	< 0.97 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	--	< 0.505 U	--	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	--	< 0.202 U	--	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 7.3 U	--	< 6.2 U	< 7.6 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	< 6.3 U	--	< 5.4 U	< 6.6 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	< 2.5 U	--	< 2.1 U	< 2.6 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	< 1.3 U	--	< 1.1 U	< 1.3 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	< 2.5 U	--	< 2.1 U	< 2.6 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	< 1.8 U	--	< 1.6 U	< 1.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	< 0.54 U	--	< 0.46 U	< 0.57 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.93 U	< 0.505 U	< 0.80 U	< 0.97 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 3.9 U	< 0.505 U	< 3.3 U	< 4.0 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	< 0.66 U	--	< 0.56 U	< 0.68 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	< 0.52 U	--	< 0.45 U	< 0.54 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 2.9 U	--	< 2.4 U	< 3.0 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	< 1.3 U	--	< 1.1 U	< 1.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	< 0.28 U	--	< 0.24 U	< 0.29 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	< 0.31 U	--	< 0.26 U	< 0.32 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	< 0.57 U	--	< 0.49 U	< 0.60 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	5.5	2.33	1.5 J	1.1 J
Perfluorobutanoic Acid	NSL	ng/L	5.9 J	3.36	7.9	1.5 J
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 1.1 U	< 0.202 U	< 0.96 U	< 1.2 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.64 U	0.440 J	< 0.54 U	< 0.66 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.41 U	--	< 0.35 U	< 0.43 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.79 U	< 0.202 U	< 0.68 U	< 0.82 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.0 U	0.498 J	< 0.86 U	< 1.0 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	2.2	4.26	3.9	1.8 J
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	< 1.1 U	1.47 J	1.3 J	< 1.2 U
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	3	10.5	14.4	2.9
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.5 U	--	< 1.3 U	< 1.5 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	< 0.41 U	1.49 J	2	< 0.43 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 0.71 U	--	< 0.61 U	< 0.74 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**38.2**	**34.1**	**36.8**	**3.3**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**10.3**	**12.9**	**7.6**	3.3
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	< 1.0 U	--	< 0.89 U	< 1.1 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	2.6 J	10.7	20.8	2.5 J
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.78 U	< 0.202 U	< 0.67 U	< 0.81 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.81 U	< 0.202 U	< 0.69 U	< 0.84 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.56 U	0.255 J	< 0.48 U	< 0.59 U

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U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

		Location ID	MW-14	MW-14	MW-14	MW-14
		Sample Name	LMW-14	152108-MW-14-20230828	152108-MW-14D-20230828	152108-MW-14
		Parent Sample ID			152108-MW-14-20230828	
		Sample Date	9/14/2017	8/28/2023	8/28/2023	10/8/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	--	< 1.6 U	< 1.6 U	< 2.0 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	--	< 1.3 U	< 1.3 U	< 1.6 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	--	< 2.0 U	< 2.0 U	< 2.5 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	--	< 0.80 U	< 0.80 U	< 1.0 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	1.74 J	--	--	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.208 U	--	--	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 6.2 U	< 6.2 U	< 7.8 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	--	< 5.4 U	< 5.4 U	< 6.8 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	--	< 2.1 U	< 2.1 U	< 2.7 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	--	< 1.1 U	< 1.1 U	< 1.3 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	--	< 2.1 U	< 2.1 U	< 2.7 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	--	< 1.6 U	< 1.6 U	< 2.0 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	--	< 0.46 U	< 0.46 U	< 0.58 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.521 U	< 0.80 U	< 0.80 U	< 1.0 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 0.521 U	< 3.3 U	< 3.3 U	< 4.1 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	--	< 0.56 U	< 0.56 U	< 0.70 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	< 0.45 U	< 0.45 U	< 0.56 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 2.4 U	< 2.4 U	< 3.0 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	--	< 1.1 U	< 1.1 U	< 1.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	--	< 0.24 U	< 0.24 U	< 0.30 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	--	< 0.26 U	< 0.26 U	< 0.33 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	--	< 0.49 U	< 0.49 U	< 0.61 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	7.9	10.5 J	12.4 J	5.9
Perfluorobutanoic Acid	NSL	ng/L	< 0.208 U	6.9 J	7.3	3.3 J
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.208 U	< 0.96 U	< 0.96 U	< 1.2 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	0.597 J	< 0.54 U	< 0.54 U	< 0.68 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	--	< 0.35 U	< 0.35 U	< 0.44 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	0.315 J	< 0.68 U	< 0.68 U	< 0.84 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	0.331 J	2.8	2.2	< 1.1 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	1.98 J	6.3	5.7	3.6
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	5.02	9.1	9.2	4.3
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	3.07	< 0.25 UJ	9.5 J	3.8
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.3 U	< 1.3 U	< 1.6 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	1.59 J	0.62 J	0.76 J	< 0.44 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	< 0.61 U	< 0.61 U	< 0.76 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**28.3**	**99.1 EMPC**	**98.9 EMPC**	**13.5**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**9.39**	**10.9**	**10.1**	**7.8**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	1.5 J	1.9	< 1.1 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	3.1	9.4	9.9	5.4
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	0.363 J	< 0.67 U	< 0.67 U	< 0.83 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	0.295 J	< 0.69 U	< 0.69 U	< 0.87 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	0.212 J	< 0.48 U	< 0.48 U	< 0.60 U

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

		Location ID	MW-16	MW-16	MW-16	MW-18
		Sample Name	LMW-16	152108-MW-16-20230829	152108-MW-16	LMW-18
		Parent Sample ID				
		Sample Date	9/14/2017	8/29/2023	10/8/2024	9/14/2017
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	--	< 1.6 U	< 1.9 U	--
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	--	< 1.3 U	< 1.5 U	--
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	--	< 2.0 U	< 2.3 U	--
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	--	< 0.83 U	< 0.95 U	--
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.529 U	--	--	< 0.517 U
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.212 U	--	--	< 0.207 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 6.5 U	< 7.4 U	--
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	--	< 5.6 U	< 6.4 U	--
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	--	< 2.2 U	< 2.5 U	--
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	--	< 1.1 U	< 1.3 U	--
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	--	< 2.2 U	< 2.5 U	--
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	--	< 1.6 U	< 1.9 U	--
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	--	< 0.48 U	< 0.55 U	--
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.529 U	< 0.83 U	< 0.95 U	< 0.517 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 0.529 U	< 3.4 U	< 3.9 U	< 0.517 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	--	< 0.58 U	< 0.67 U	--
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	< 0.46 U	< 0.53 U	--
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 2.5 U	< 2.9 U	--
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	--	< 1.2 U	< 1.3 U	--
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	--	< 0.25 U	< 0.28 U	--
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	--	< 0.27 U	< 0.31 U	--
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	--	< 0.51 U	< 0.58 U	--
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	2.79	5.7 J	7.5	11.7
Perfluorobutanoic Acid	NSL	ng/L	3.86	4.9 J	5.8 J	4.76
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.212 U	< 0.99 U	< 1.1 U	< 0.207 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.212 U	< 0.56 U	< 0.64 U	< 0.207 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	--	< 0.36 U	< 0.42 U	--
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.212 U	< 0.70 U	< 0.80 U	< 0.207 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	0.294 J	< 0.89 U	< 1.0 U	< 0.207 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	3.17	5.1	4.3	3.93
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	1.95 J	24.2	2.0 J	4.71
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	4.86	8.9	12	11.4
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.3 U	< 1.5 U	--
Perfluorononanoic acid (PFNA)	NSL	ng/L	1.51 J	0.53 J	< 0.42 U	< 0.207 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	< 0.63 U	< 0.72 U	--
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**16.2**	**8.5**	**10.5**	1.88 J
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**11.8**	**13.8**	**14.3**	**7.72**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	1.9	< 1.0 U	--
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	5.63	9.7	11.9	10.7
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.212 U	< 0.69 U	< 0.79 U	< 0.207 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.212 U	< 0.72 U	< 0.82 U	< 0.207 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.212 U	< 0.50 U	< 0.57 U	< 0.207 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

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

		Location ID	MW-18	MW-18	MW-19	MW-19
		Sample Name	152108-MW-18-20230828	152108-MW-18	LMW-19	152108-MW-19-20230828
		Parent Sample ID				
		Sample Date	8/28/2023	10/8/2024	9/14/2017	8/28/2023
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	< 1.6 U	< 1.9 U	--	< 1.6 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	< 1.3 U	< 1.5 U	--	< 1.3 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	< 2.0 U	< 2.4 U	--	< 2.0 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	< 0.83 U	< 0.96 U	--	< 0.80 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	--	--	< 0.519 U	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	--	--	< 0.207 U	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 6.5 U	< 7.5 U	--	< 6.2 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	< 5.6 U	< 6.5 U	--	< 5.4 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	< 2.2 U	< 2.5 U	--	< 2.1 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	< 1.1 U	< 1.3 U	--	< 1.1 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	< 2.2 U	< 2.6 U	--	< 2.1 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	< 1.6 U	< 1.9 U	--	< 1.6 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	< 0.48 U	< 0.56 U	--	< 0.46 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.83 U	< 0.96 U	< 0.519 U	< 0.80 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 3.4 U	< 3.9 U	< 0.519 U	< 3.3 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	< 0.58 U	< 0.67 U	--	< 0.56 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	< 0.46 U	< 0.54 U	--	< 0.45 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 2.5 U	< 2.9 U	--	< 2.4 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	< 1.2 U	< 1.3 U	--	< 1.1 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	< 0.25 U	< 0.28 U	--	< 0.24 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	< 0.27 U	< 0.32 U	--	< 0.26 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	< 0.51 U	< 0.59 U	--	< 0.49 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	0.65 J	2.4	0.293 J	0.71 J
Perfluorobutanoic Acid	NSL	ng/L	< 0.85 U	2.1 J	0.635 J	< 0.82 U
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.99 U	< 1.1 U	< 0.207 U	< 0.96 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.56 U	< 0.65 U	< 0.207 U	< 0.54 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.36 U	< 0.42 U	--	< 0.35 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.70 U	< 0.81 U	< 0.207 U	< 0.68 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 0.89 U	< 1.0 U	< 0.207 U	< 0.86 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	< 0.45 U	1.5 J	0.247 J	< 0.44 U
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	< 1.0 U	< 1.2 U	0.666 J	< 0.97 U
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	1.3 J	2.2	1.11 J	1.2 J
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.3 U	< 1.5 U	--	< 1.3 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	< 0.36 U	0.55 J	< 0.207 U	< 0.35 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 0.63 U	< 0.73 U	--	< 0.61 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	1.1 J	**4.5**	< 0.207 U	0.90 EMPC
Perfluorooctanoic acid (PFOA)	6.7	ng/L	1.3 J	4.7	1.06 J	0.75 J
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	< 0.92 U	< 1.1 U	--	< 0.89 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	1.5 J	2.3 J	0.887 J	1.1 J
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.69 U	< 0.80 U	< 0.207 U	< 0.67 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.72 U	< 0.83 U	< 0.207 U	< 0.69 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.50 U	< 0.58 U	< 0.207 U	< 0.48 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

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

		Location ID	MW-19	MW-20	MW-20	MW-20
		Sample Name	152108-MW-19	LMW-20	152108-MW-20-20230829	152108-MW-20
		Parent Sample ID				
		Sample Date	10/8/2024	9/13/2017	8/29/2023	10/9/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	< 1.9 U	--	< 1.6 U	< 1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	< 1.5 U	--	< 1.3 U	< 1.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	< 2.3 U	--	< 2.0 U	< 2.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	< 0.94 U	--	< 0.80 U	< 0.97 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	--	< 0.520 U	--	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	--	< 0.208 U	--	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	< 7.4 U	--	< 6.2 U	< 7.6 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	< 6.4 U	--	< 5.4 U	< 6.6 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	< 2.5 U	--	< 2.1 U	< 2.6 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	< 1.3 U	--	< 1.1 U	< 1.3 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	< 2.5 U	--	< 2.1 U	< 2.6 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	< 1.9 U	--	< 1.6 U	< 1.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	< 0.55 U	--	< 0.46 U	< 0.57 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.94 U	< 0.520 U	< 0.80 U	< 0.97 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 3.9 U	< 0.520 U	< 3.3 U	< 4.0 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	< 0.66 U	--	< 0.56 U	< 0.68 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	< 0.53 U	--	< 0.45 U	< 0.54 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	< 2.9 U	--	< 2.4 U	< 3.0 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	< 1.3 U	--	< 1.1 U	< 1.4 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	< 0.28 U	--	< 0.24 U	< 0.29 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	< 0.31 U	--	< 0.26 U	< 0.32 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	< 0.58 U	--	< 0.49 U	< 0.60 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	< 0.68 U	1.32 J	1.3 J	3.9
Perfluorobutanoic Acid	NSL	ng/L	1.8 J	2.5	6.9 J	4.5 J
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 1.1 U	< 0.208 U	1.8 EMPC	< 1.2 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.64 U	< 0.208 U	1.9	< 0.66 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	< 0.41 U	--	< 0.35 U	< 0.43 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.80 U	< 0.208 U	< 0.68 U	< 0.82 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	< 1.0 U	< 0.208 U	< 0.86 U	< 1.0 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	< 0.52 U	1.76 J	1.9	3.8
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	< 1.1 U	4.99	7.4	4.4
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	1.1 J	3.54	6.5	8.1
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	< 1.5 U	--	< 1.3 U	< 1.5 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	< 0.41 U	< 0.208 U	1.5 J	< 0.43 U
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	< 0.71 U	--	< 0.61 U	< 0.74 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	0.63 J	2.07 J	**5.9**	**3.3**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	1.2 J	6.17	5.9	**14**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	< 1.0 U	--	< 0.89 U	< 1.1 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	1.0 J	3.05	6.6	8.5
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.79 U	< 0.208 U	< 0.67 U	< 0.81 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.82 U	< 0.208 U	< 0.69 U	< 0.84 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.57 U	< 0.208 U	0.55 J	< 0.59 U

[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

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

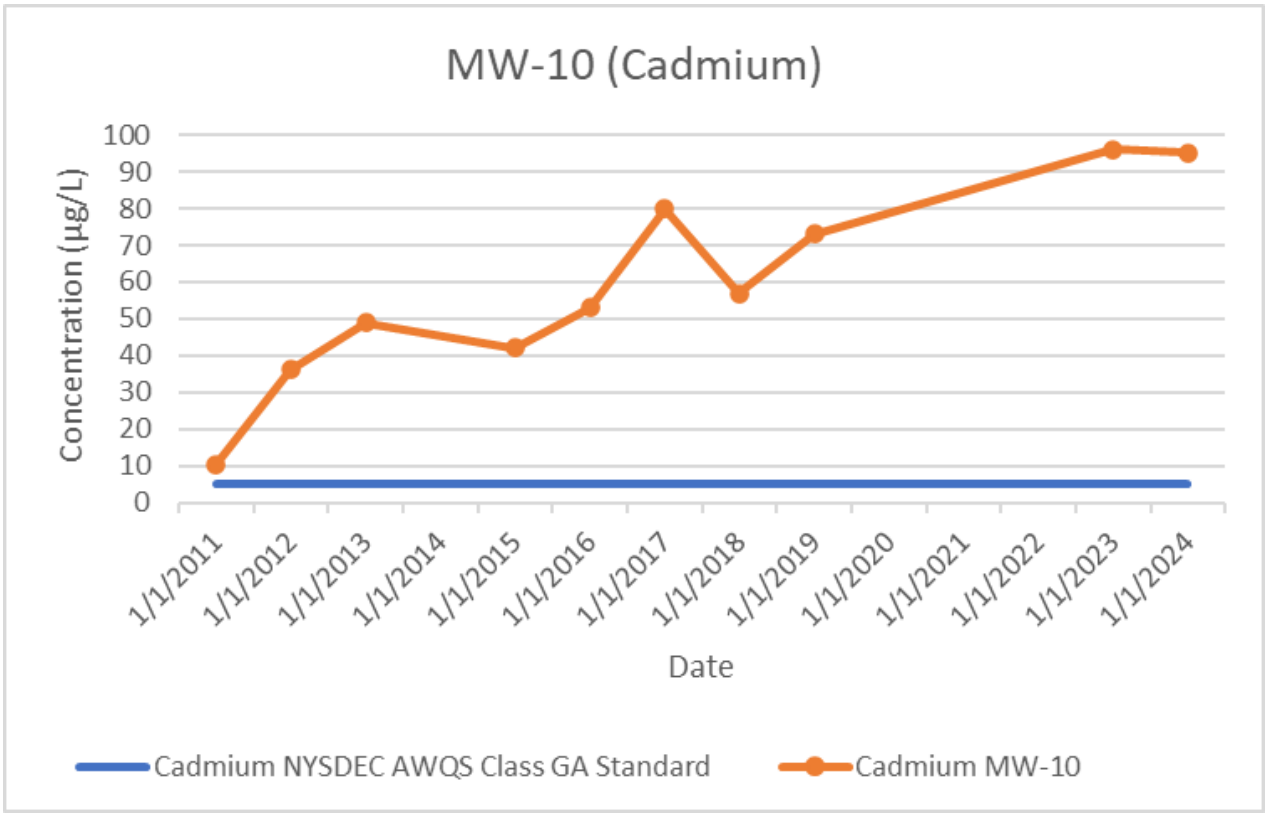
		Location ID	MW-21	MW-21	MW-21	MW-21
		Sample Name	LMW-21	152108-MW-21-20230829	152108-MW-21	152108-FD-01
		Parent Sample ID				152108-MW-21-20241009
		Sample Date	9/13/2017	8/29/2023	10/9/2024	10/9/2024
Analyte	**NYSDEC AWQS[1]**	**Unit**	**Result**	**Result**	**Result**	**Result**
PFAS (E1633/E537)						
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	NSL	ng/L	--	< 1.6 U	< 1.8 U	< 1.9 U
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	NSL	ng/L	--	< 1.3 U	< 1.5 U	< 1.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NSL	ng/L	--	< 2.0 U	< 2.3 U	< 2.4 U
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	NSL	ng/L	--	< 0.81 U	< 0.93 U	< 0.95 U
13C2-6:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.534 U	--	--	--
13C2-8:2 Fluorotelomer sulfonate	NSL	ng/L	< 0.213 U	--	--	--
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	NSL	ng/L	--	< 6.4 U	< 7.3 U	< 7.5 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	NSL	ng/L	--	< 5.5 U	< 6.3 U	< 6.5 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	NSL	ng/L	--	< 2.2 U	< 2.5 U	< 2.5 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NSL	ng/L	--	< 1.1 U	< 1.3 U	< 1.3 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid (9Cl-PF3ONS)	NSL	ng/L	--	< 2.2 U	< 2.5 U	< 2.6 U
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NSL	ng/L	--	< 1.6 U	< 1.8 U	< 1.9 U
N-ethyl perfluorooctanesulfonamide (NEtFOSA)	NSL	ng/L	--	< 0.47 U	< 0.54 U	< 0.56 U
N-ethyl perfluorooctanesulfonamidoacetic acid (NEtFOSAA)	NSL	ng/L	< 0.534 U	< 0.81 U	< 0.93 U	< 0.95 U
N-ethyl perfluorooctanesulfonamidoethanol (NEtFOSE)	NSL	ng/L	< 0.534 U	< 3.3 U	< 3.8 U	< 3.9 U
N-methyl perfluorooctanesulfonamide (NMeFOSA)	NSL	ng/L	--	< 0.57 U	< 0.65 U	< 0.67 U
N-methyl perfluorooctanesulfonamidoacetic acid (NMeFOSAA)	NSL	ng/L	--	< 0.46 U	< 0.52 U	< 0.53 U
N-methyl perfluorooctanesulfonamidoethanol (NMeFOSE)	NSL	ng/L	--	< 2.5 U	< 2.8 U	< 2.9 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NSL	ng/L	--	< 1.1 U	< 1.3 U	< 1.3 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NSL	ng/L	--	< 0.24 U	< 0.28 U	< 0.28 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	NSL	ng/L	--	< 0.27 U	< 0.31 U	< 0.31 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	NSL	ng/L	--	< 0.50 U	< 0.57 U	< 0.59 U
Perfluorobutanesulfonic acid (PFBS)	NSL	ng/L	2.71	7.5 J	4.8	5.3
Perfluorobutanoic Acid	NSL	ng/L	2.99	59.2	203	203
Perfluorodecanesulfonic acid (PFDS)	NSL	ng/L	< 0.213 U	< 0.97 U	< 1.1 U	< 1.1 U
Perfluorodecanoic acid (PFDA)	NSL	ng/L	< 0.213 U	< 0.55 U	< 0.63 U	< 0.65 U
Perfluorododecanesulfonic acid (PFDoS)	NSL	ng/L	--	< 0.36 U	< 0.41 U	< 0.42 U
Perfluorododecanoic acid (PFDoA)	NSL	ng/L	< 0.213 U	< 0.69 U	< 0.79 U	< 0.81 U
Perfluoroheptanesulfonic acid (PFHpS)	NSL	ng/L	0.237 J	< 0.87 U	< 1.0 U	< 1.0 U
Perfluoroheptanoic acid (PFHpA)	NSL	ng/L	2.27	8.3	6.1	5.7
Perfluorohexanesulfonic acid (PFHxS)	NSL	ng/L	10.8	5.5	8.8	7.3
Perfluorohexanoic acid (PFHxA)	NSL	ng/L	4.07	25.5	18.4	18.7
Perfluorononanesulfonic Acid (PFNS)	NSL	ng/L	--	< 1.3 U	< 1.5 U	< 1.5 U
Perfluorononanoic acid (PFNA)	NSL	ng/L	0.408 J	1.2 J	0.80 J	0.76 J
Perfluorooctane Sulfonamide (PFOSA)	NSL	ng/L	--	< 0.62 U	< 0.70 U	< 0.72 U
Perfluorooctanesulfonic acid (PFOS)	2.7	ng/L	**5.48**	**14.5**	**6.4**	**5.2**
Perfluorooctanoic acid (PFOA)	6.7	ng/L	**7.02**	**18**	**17.2**	**17.9**
Perfluoropentanesulfonic Acid (PFPeS)	NSL	ng/L	--	< 0.90 U	1.4 J	< 1.1 U
Perfluoropentanoic Acid (PFPeA)	NSL	ng/L	3.77	34.7	25.2	24.9
Perfluorotetradecanoic acid (PFTeDA)	NSL	ng/L	< 0.213 U	< 0.68 U	< 0.78 U	< 0.80 U
Perfluorotridecanoic Acid (PFTriA/PFTrDA)	NSL	ng/L	< 0.213 U	< 0.71 U	< 0.81 U	< 0.83 U
Perfluoroundecanoic Acid (PFUnA)	NSL	ng/L	< 0.213 U	< 0.49 U	< 0.56 U	< 0.58 U

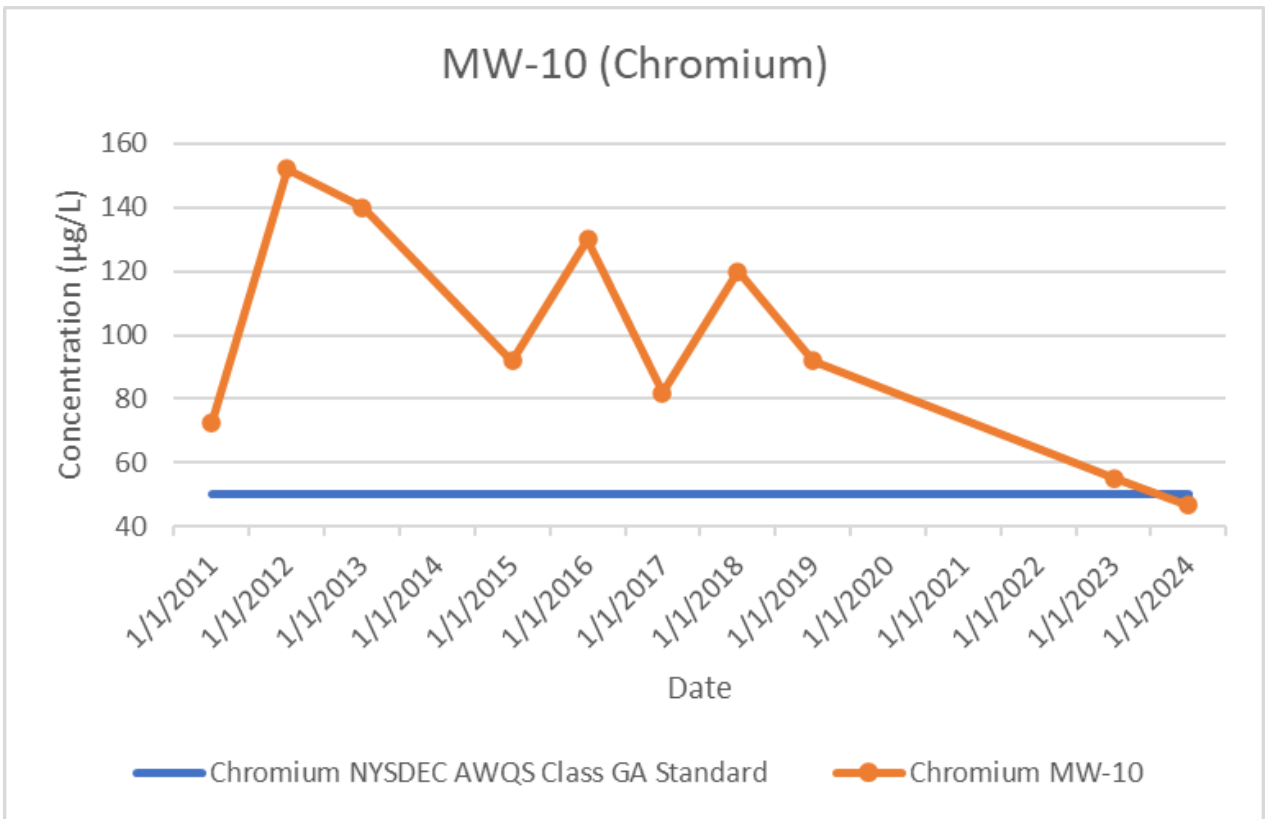
[1]NYSDEC AWQS = New York State Department of Environmental Conservation Ambient Water Quality Standard Class GA (Standard/Guidance Values) (Technical and Operational Guidance Series [TOGS] 1.1.1)

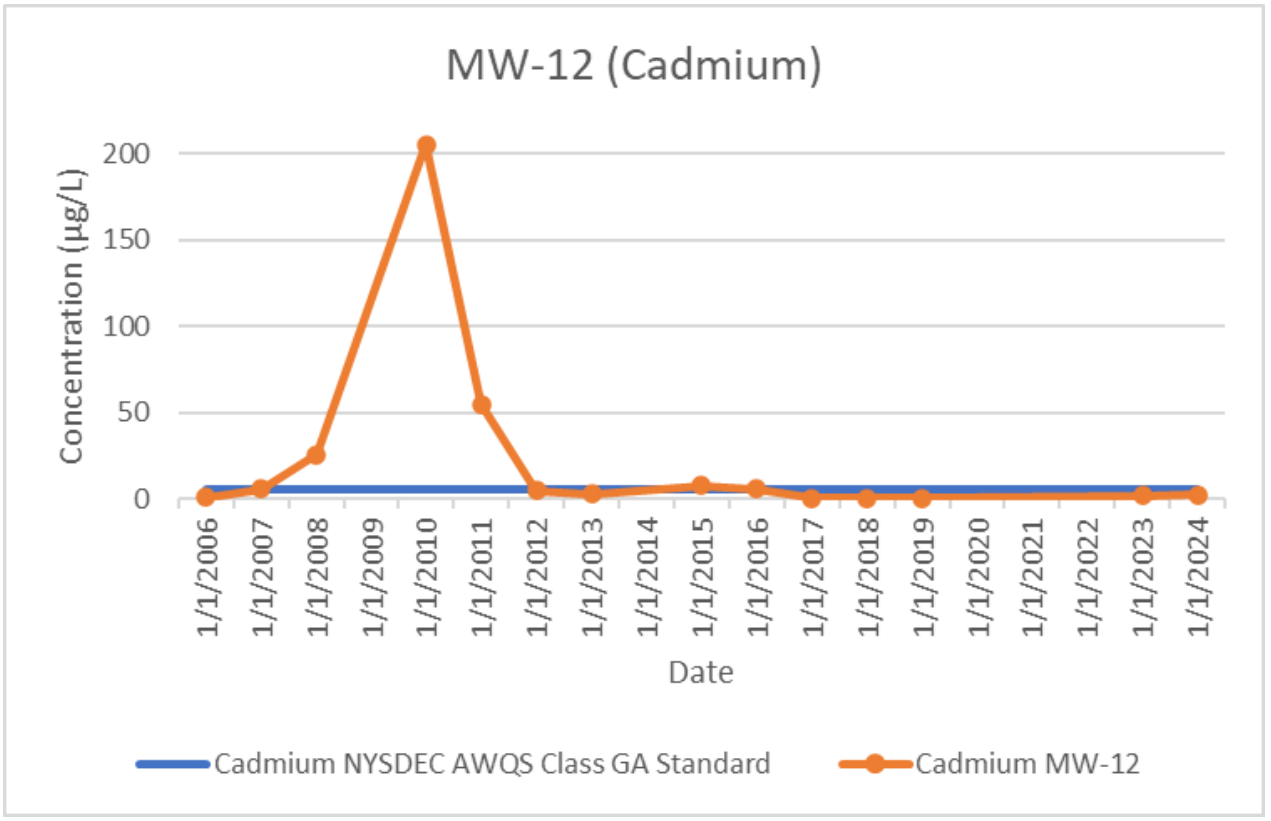
-- = Not analyzed.
ng/L = Nanogram(s) per liter.
J = Concentration is estimated.
NSL = No screening level available.
U = Analyte not detected.
Concentrations exceeding the screening level are bolded and shaded gray.

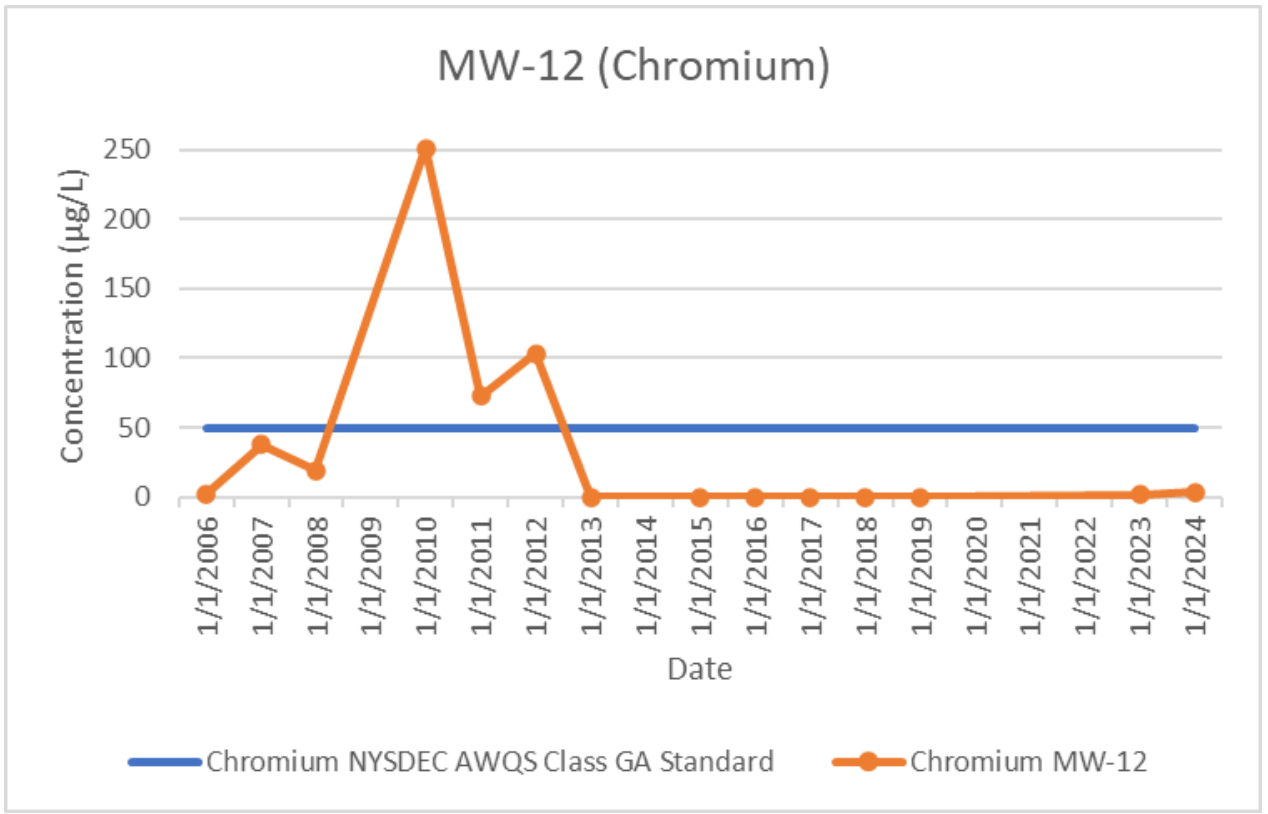
Appendix D

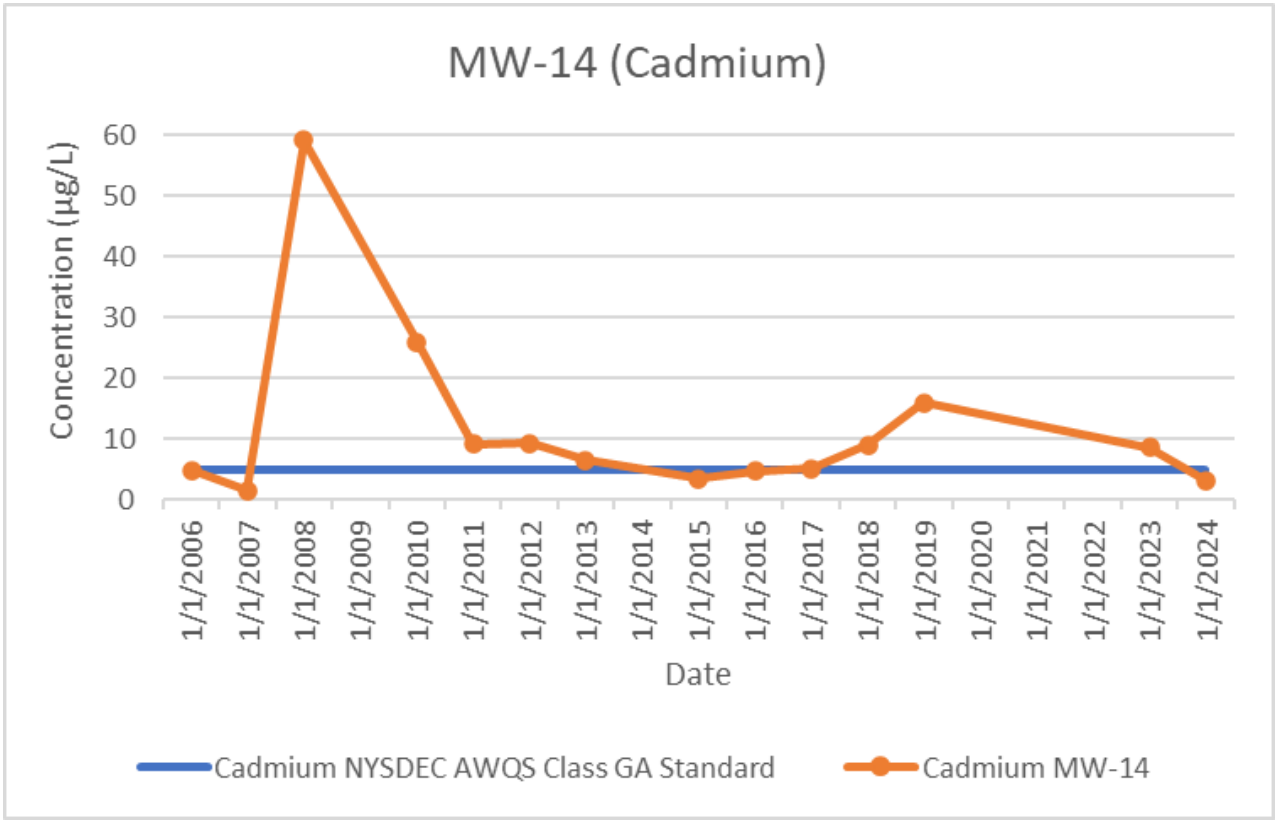
Cadmium and Chromium Historical Data Trend Graphs

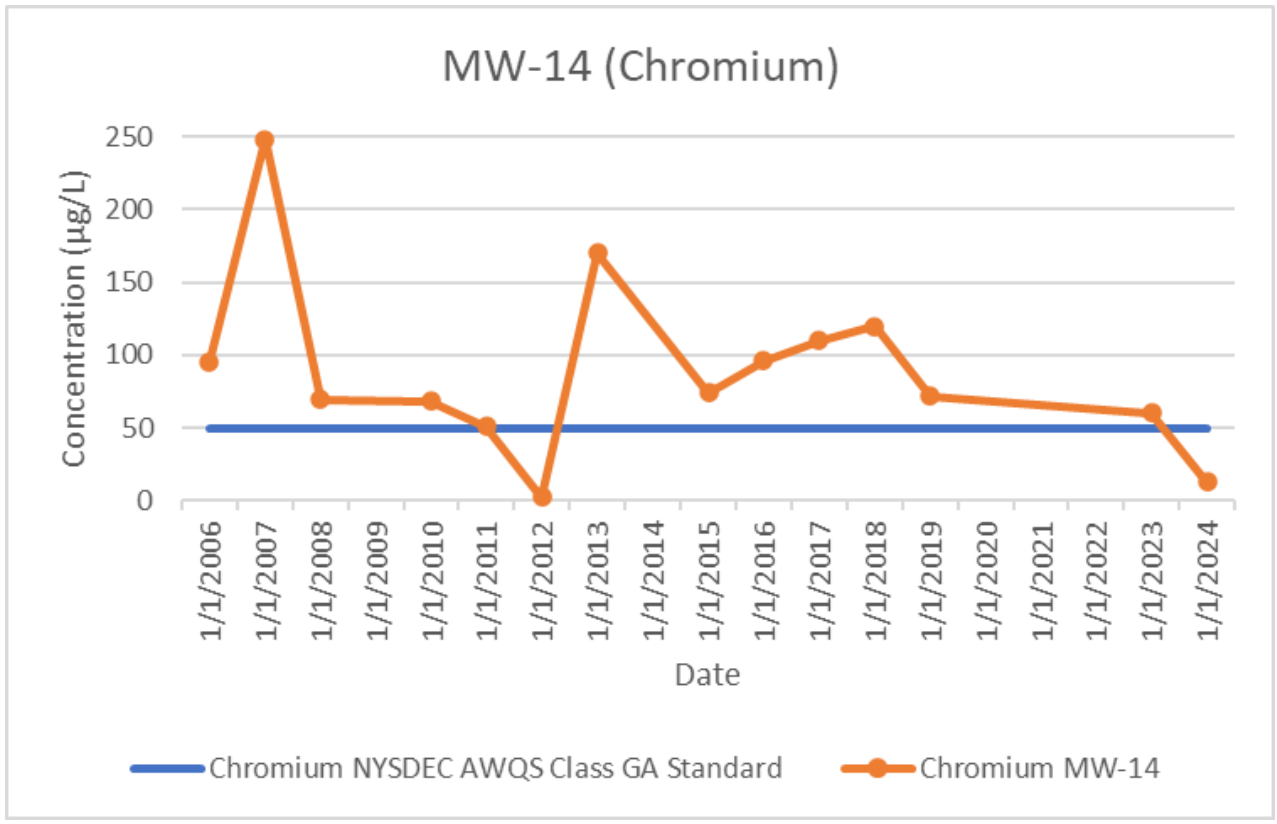

MW-10 (Cadmium)
Concentration (µg/L)
100
90
80
70
60
50
40
30
20
10
0
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-10

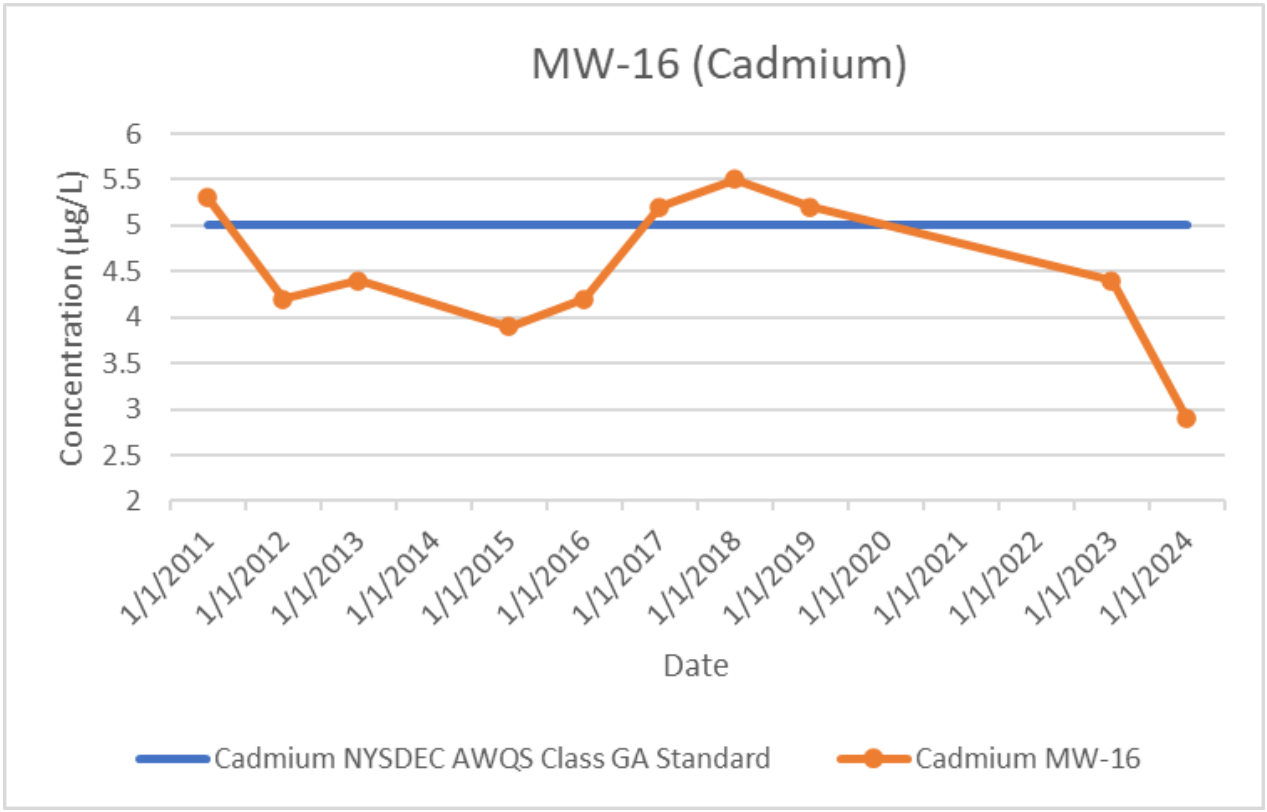

MW-10 (Chromium)
Concentration (µg/L)
160
140
120
100
80
60
40
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-10

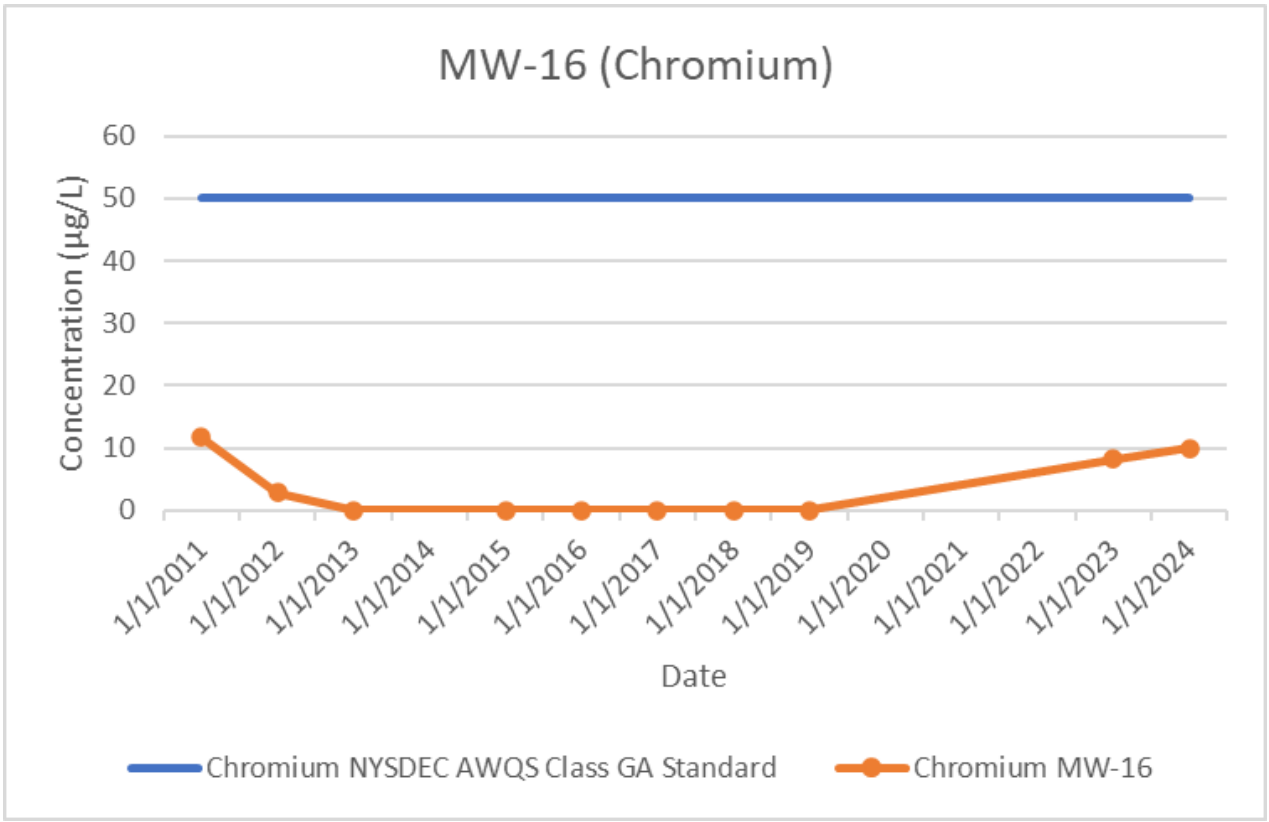

MW-12 (Cadmium)
Concentration (µg/L)
200
150
100
50
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-12

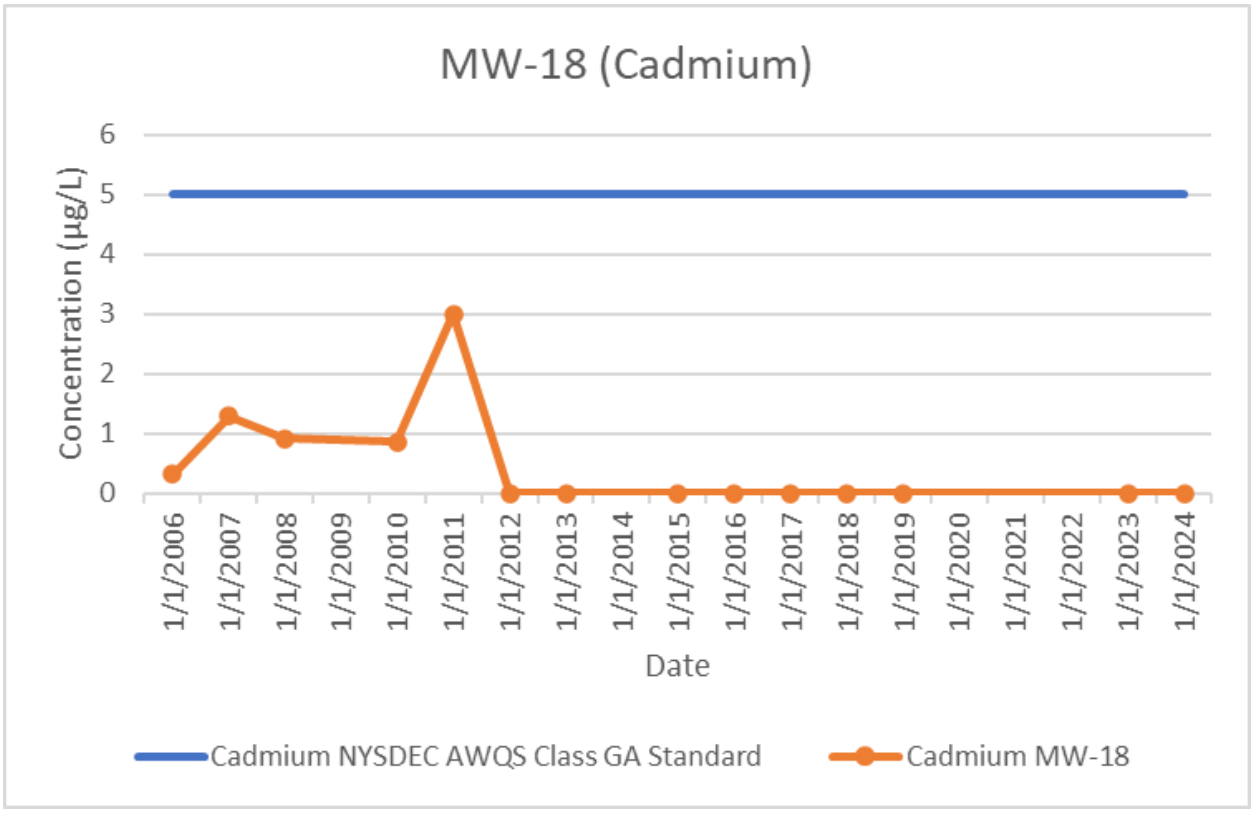

MW-12 (Chromium)
Concentration (µg/L)
250
200
150
100
50
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-12

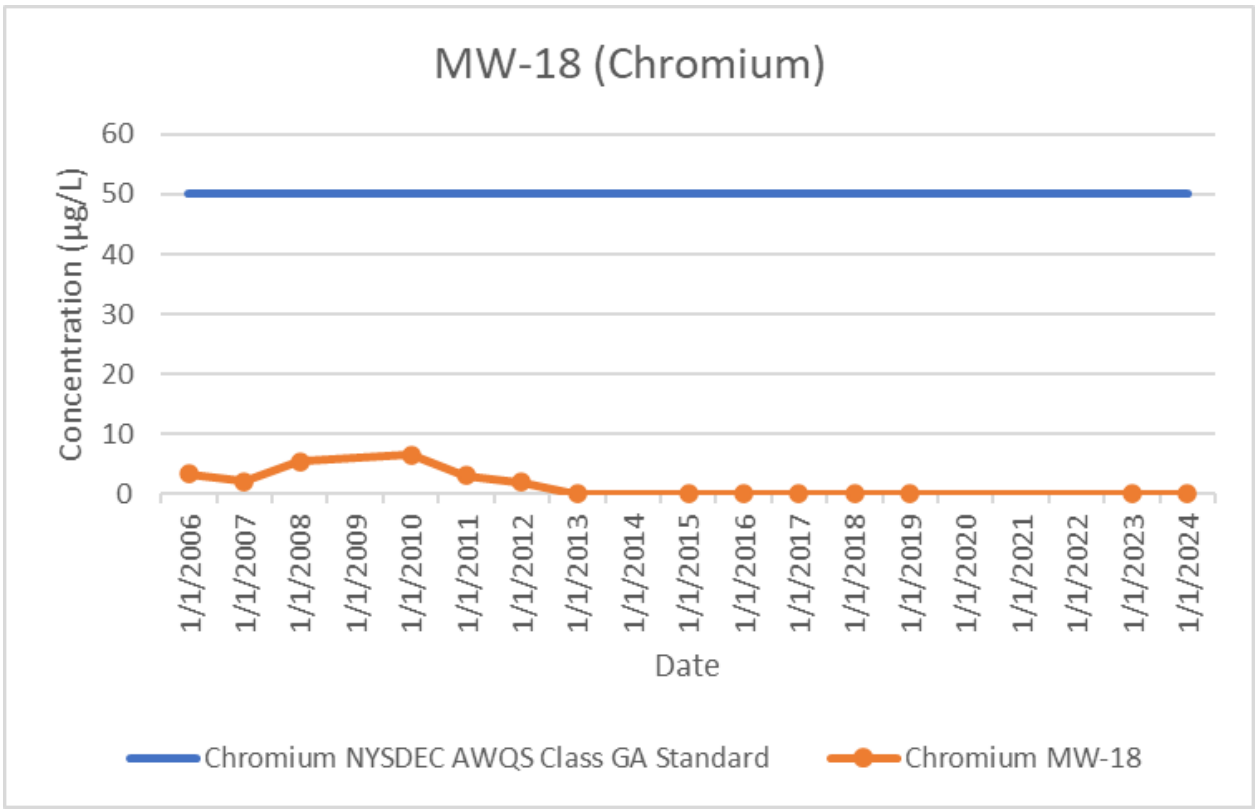

MW-14 (Cadmium)
Concentration (µg/L)
60
50
40
30
20
10
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-14

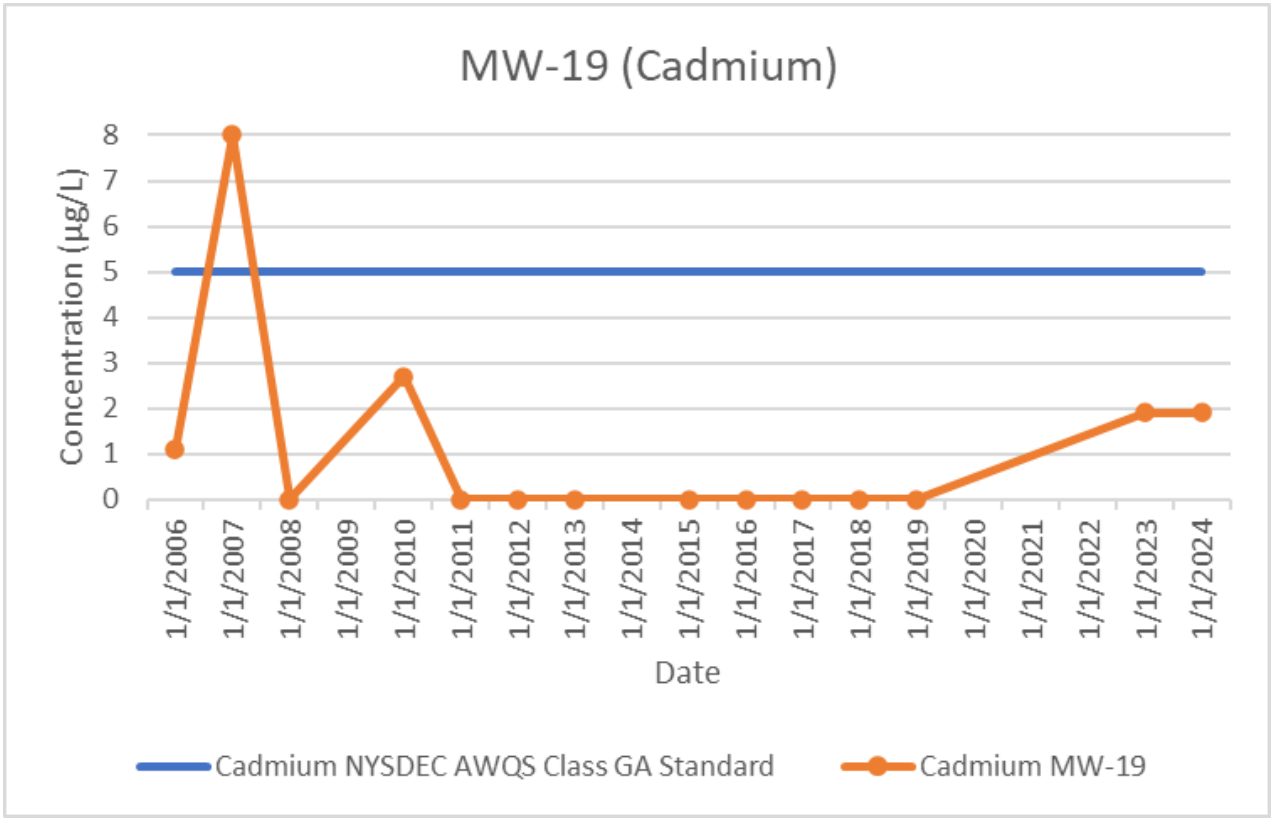

MW-14 (Chromium)
Concentration (µg/L)
250
200
150
100
50
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-14

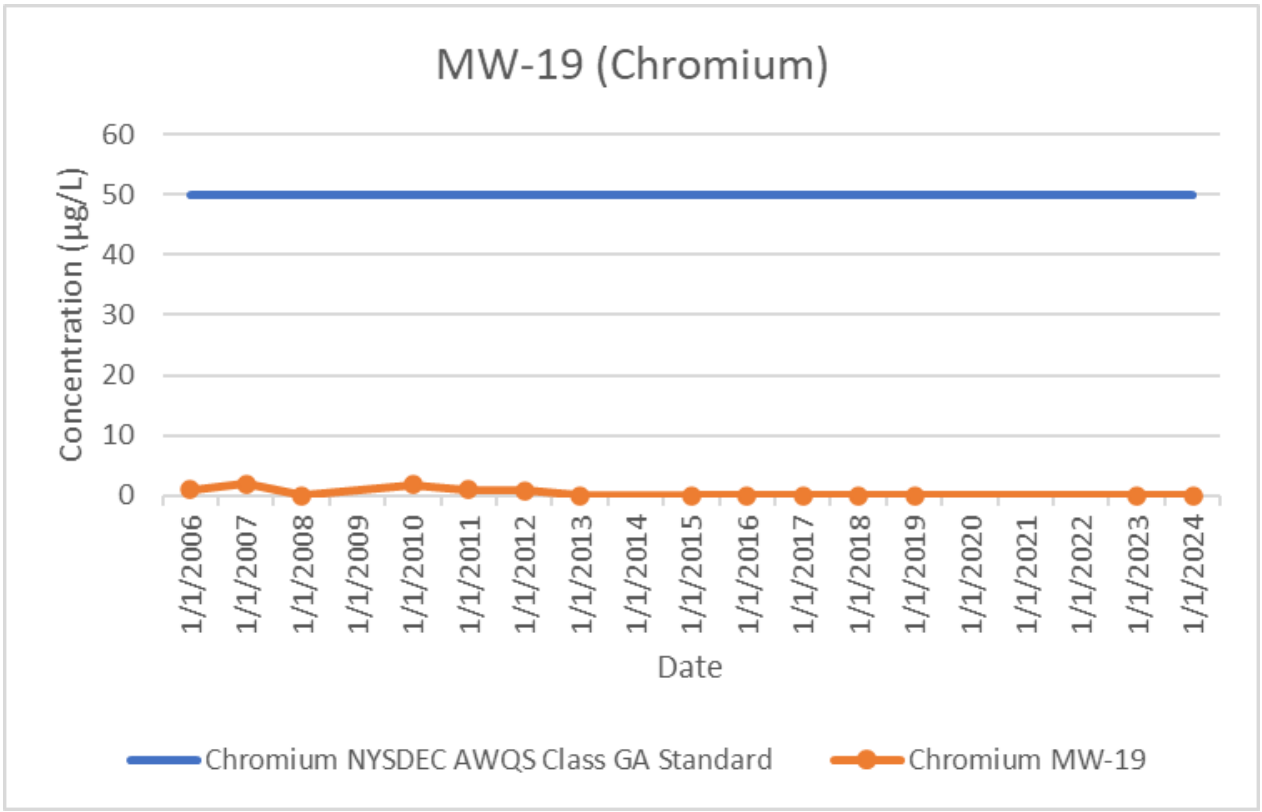

MW-16 (Cadmium)
Concentration (µg/L)
6
5.5
5
4.5
4
3.5
3
2.5
2
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-16

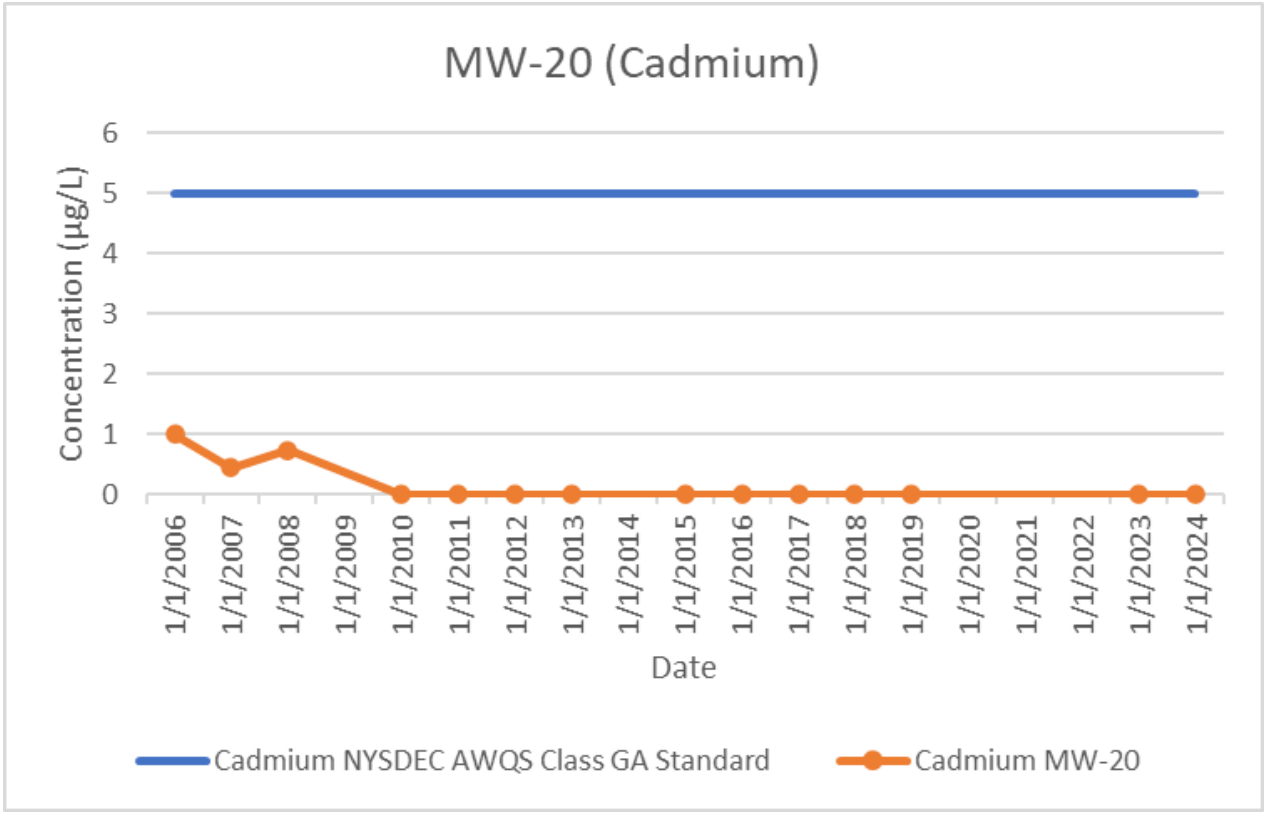

MW-16 (Chromium)
Concentration (µg/L)
60
50
40
30
20
10
0
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-16

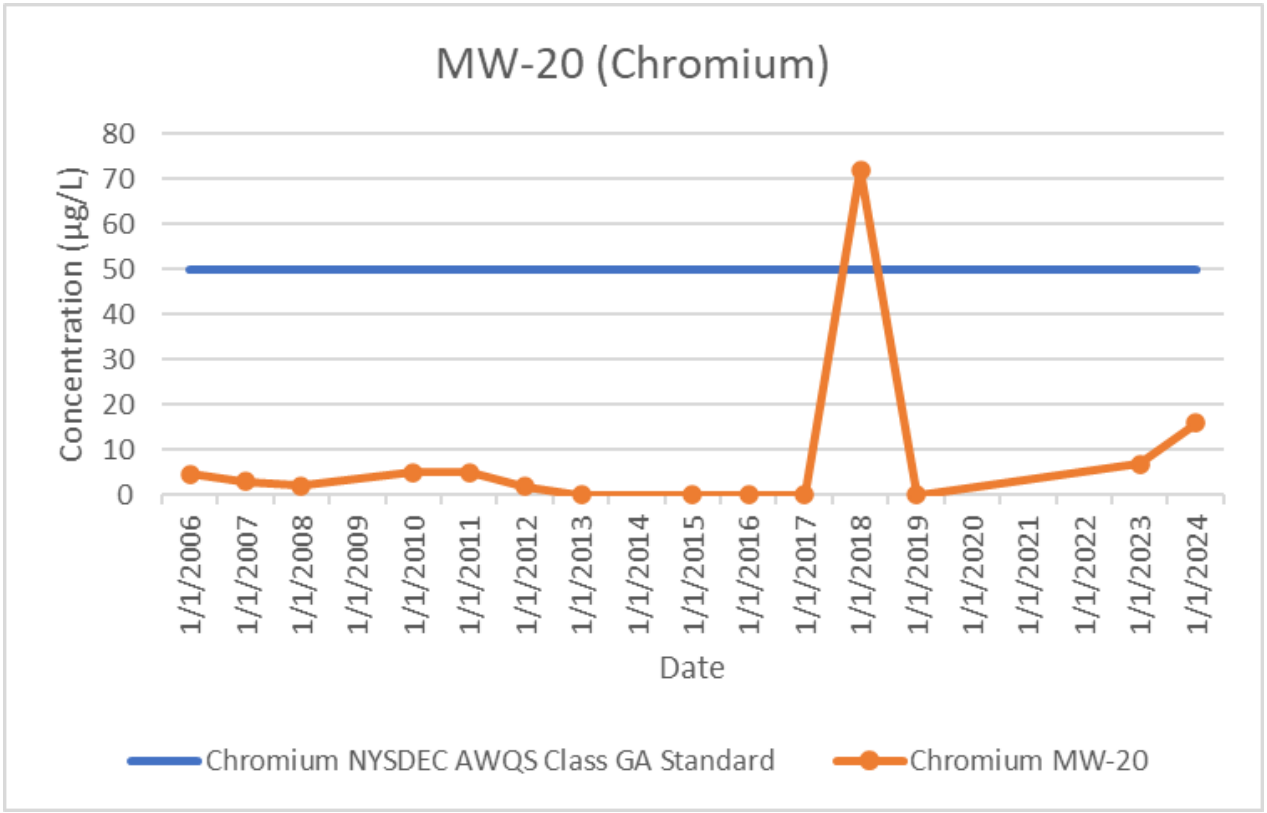

MW-18 (Cadmium)
Concentration (µg/L)
6
5
4
3
2
1
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-18

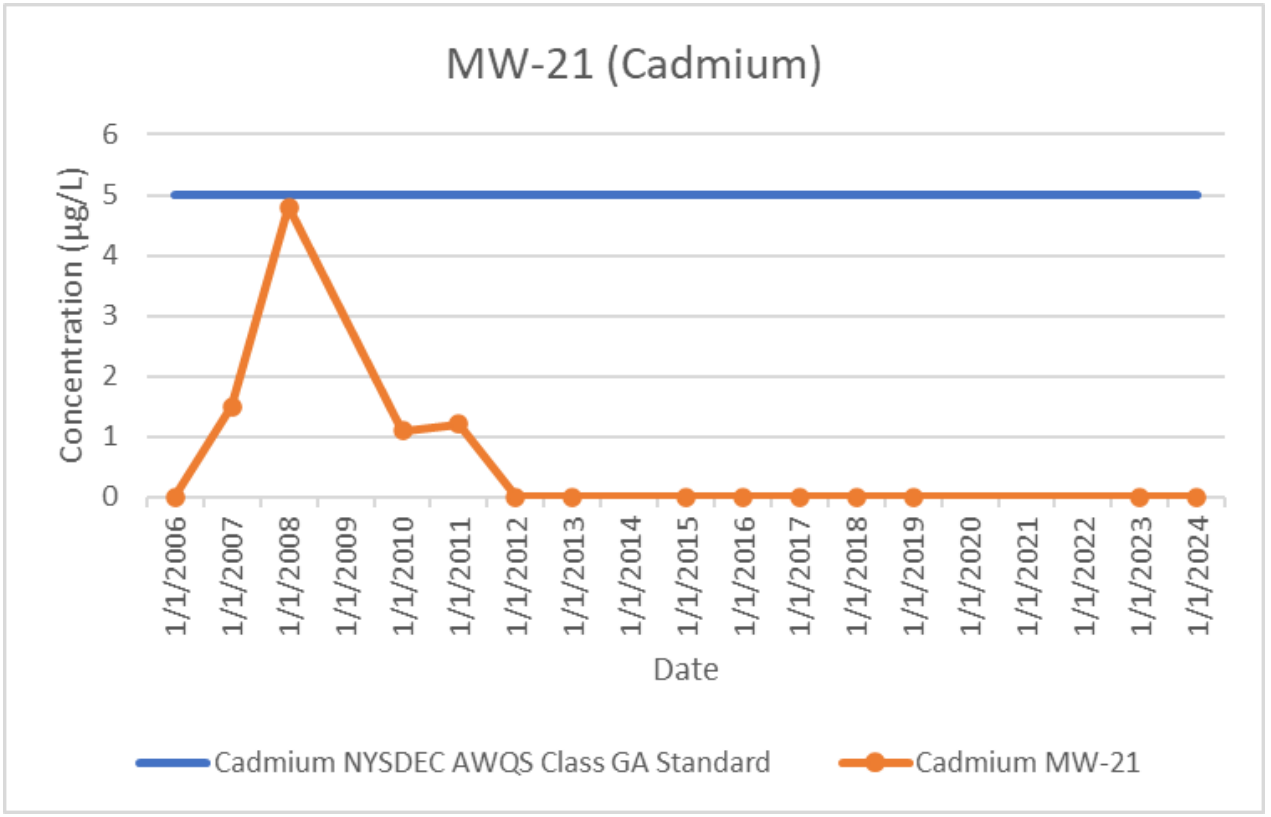

MW-18 (Chromium)
Concentration (µg/L)
60
50
40
30
20
10
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-18

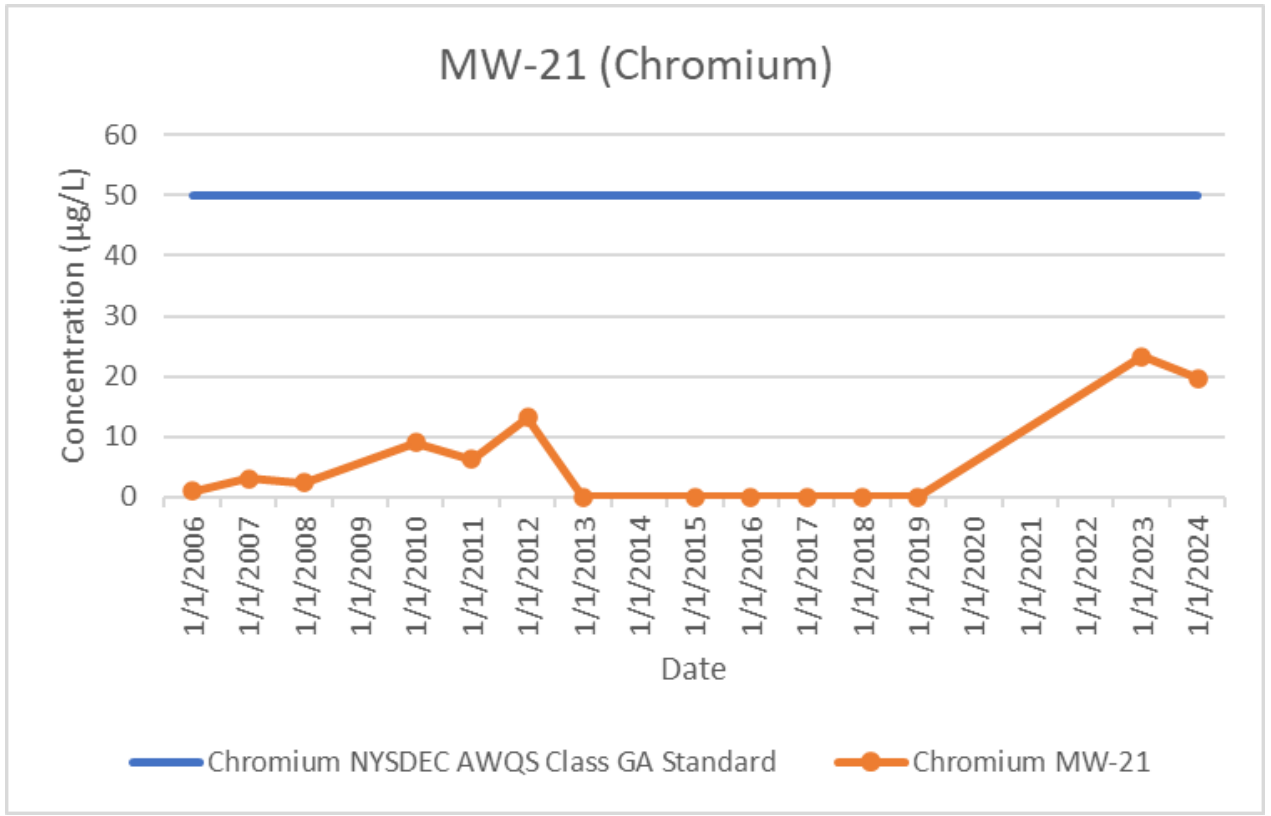

MW-19 (Cadmium)
Concentration (µg/L)
8
7
6
5
4
3
2
1
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-19


MW-19 (Chromium)
Concentration (µg/L)
60
50
40
30
20
10
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-19


MW-20 (Cadmium)
Concentration (µg/L)
6
5
4
3
2
1
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-20


MW-20 (Chromium)
Concentration (µg/L)
80
70
60
50
40
30
20
10
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-20


MW-21 (Cadmium)
Concentration (µg/L)
6
5
4
3
2
1
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Cadmium NYSDEC AWQS Class GA Standard
Cadmium MW-21


MW-21 (Chromium)
Concentration (µg/L)
60
50
40
30
20
10
0
1/1/2006
1/1/2007
1/1/2008
1/1/2009
1/1/2010
1/1/2011
1/1/2012
1/1/2013
1/1/2014
1/1/2015
1/1/2016
1/1/2017
1/1/2018
1/1/2019
1/1/2020
1/1/2021
1/1/2022
1/1/2023
1/1/2024
Date
Chromium NYSDEC AWQS Class GA Standard
Chromium MW-21