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Date: January 29, 2024
Our Ref: 30147041
Subject: **4Q2023 Post-Injection Groundwater Monitoring Report**
General Electric Company and Parker-Hannifin Corporation
Old Erie Canal Site, Clyde, New York
NYSDEC Site No. 859015

Dear Mr. Klier,

On behalf of General Electric Company (GE) and Parker-Hannifin Corporation (P-H), this letter provides a summary of post-injection groundwater monitoring activities recently completed at the Old Erie Canal Site (Site) (New York State Department of Environmental Conservation [NYSDEC] Site No. 859015), located in the Village of Clyde, Town of Galen, Wayne County, New York (**Figure 1**). Specifically, this letter includes a summary of the fourth quarterly post-injection monitoring event conducted between October 23 and November 2, 2023 (4Q2023 monitoring event), by Arcadis of New York, Inc. (Arcadis) on behalf of GE and P-H. The groundwater monitoring wells and previous groundwater treatment areas associated with the Site are presented on **Figure 2**. Additional details regarding the 4Q2023 monitoring event are provided below.

Field Activities Performed

The 4Q2023 monitoring event was performed in accordance with the Enhanced Reductive Dechlorination (ERD) Injection Work Plan (ERD Work Plan) submitted to NYSDEC on August 3, 2022, as well as recommendations included in the Periodic Review Report (PRR) submitted on June 30, 2023, which was approved by the NYSDEC on November 21, 2023. The scope of the 4Q2023 monitoring event included the following:

- Measurement of groundwater elevations and depth to bottom at 12 source area monitoring wells (MW-1S, MW-4B, MW-4S, MW-6B, MW-6S, MW-7S, MW-13S, MW-14S, MW-15S, MW-17S, MW-18S, and MW-19S) and one perimeter monitoring well (MW-5B);
- Collection of groundwater samples via low-flow purging and sampling at the above-listed monitoring wells; and,
- Gauging of monitoring well MW-14B.

Additional details regarding each of the above-listed activities are provided in the following sections.

Groundwater Gauging Activities

Arcadis personnel collected depth to water and depth to bottom measurements using the surveyed measuring points at 12 source area monitoring wells (MW-1S, MW-4B, MW-4S, MW-6B, MW-6S, MW-7S, MW-13S, MW-

14S, MW-15S, MW-17S, MW-18S, and MW-19S), one perimeter monitoring well (MW-5B), and monitoring well MW-14B on October 23, 2023. Those gauging data are presented in **Table 1**.

As noted in Section 1.2 of the June 2023 PRR, non-aqueous phase liquid (NAPL) was observed in the soil cuttings and drilling water during installation of monitoring well MW-14B on August 12, 2022. Based on that observation, MW-14B was gauged to determine the potential presence and thickness of NAPL during the 4Q2023 monitoring event. NAPL was not detected during this monitoring event.

Groundwater Sampling Activities

Arcadis personnel performed low-flow groundwater purging and sampling activities at the 12 source area monitoring wells and perimeter monitoring well MW-5B between October 23 and November 2, 2023. The final field parameters collected at each monitoring well prior to sample collection (or the field parameters from immediately before a well went dry without reaching a stabilized water level in the case of monitoring wells MW-18S and MW-19S) are presented in **Table 2**. The low-flow purging and sampling logs for the 4Q2023 monitoring event are provided in **Attachment 1.**

The collected groundwater samples (including quality assurance/quality control samples) were submitted to SGS North America Inc. of Dayton, NJ for laboratory analysis. Groundwater samples were submitted for the following analyses:

- volatile organic compounds (VOCs);
- total and dissolved iron and manganese;
- general chemistry (total organic carbon [TOC], sulfide, and sulfate); and
- dissolved gasses (ethane, ethene, and methane).

A TOC sample was not collected from monitoring well MW-18S due to an insufficient volume of water in that well after the well was purged dry and allowed to recharge for 10 days. As a result, the other analyses were prioritized ahead of TOC analysis for this monitoring event.

Sampling Results for Current Monitoring Event

The analytical results associated with the groundwater samples collected during the 4Q2023 monitoring event are presented in **Table 2**. **Table 3** presents the data for the baseline monitoring event conducted prior to the 2022 remedial injections at the Site (which were completed between October 18 and 24, 2022), as well as the data for the four post-injection monitoring events performed in 2023. Both tables include the NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.1.1: Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations Class GA (Class GA) groundwater quality standards/guidance values for comparison purposes. The data for trichloroethene (TCE), its reductive dechlorination products, and other indicators of anaerobic activity (i.e., ethane, ethene, and methane) are also presented on **Figure 3**. The laboratory analytical data reports associated with this monitoring event are provided as **Attachment 2**. A summary of the constituents of concern (chlorinated and other VOCs) that were detected at levels above the corresponding Class GA groundwater standards during the 4Q2023 monitoring event is provided below.

Chlorinated VOCs

- 1,1-dichloroethane was detected in three of 13 monitoring wells at concentrations ranging from 1.6 micrograms per liter (µg/L) to 9.9 µg/L. However, this constituent was detected in only one monitoring well (MW-19S) at a concentration greater than the Class GA groundwater standard of 5 µg/L.
- 1,1-dichloroethene was detected in two of 13 monitoring wells at concentrations ranging from 1.8 µg/L to 200 J µg/L (the J flag indicates an estimated concentration). However, this constituent was detected in only one monitoring well (MW-4B) at a concentration greater than the Class GA groundwater standard of 5 µg/L.
- Cis-1,2-dichloroethene was detected in 11 of 13 monitoring wells at concentrations ranging from 0.56 J µg/L to 49,900 µg/L. Further, this constituent was detected in eight monitoring wells (MW-4B, MW-5B, MW-6B, MW-13S, MW-14S, MW-17S, MW-18S, and MW-19S) at concentrations greater than the Class GA groundwater standard of 5 µg/L (ranging from 33.6 µg/L to 49,900 µg/L). The maximum detected concentration was reported in monitoring well MW-4B.
- trans-1,2-dichloroethene was detected in seven of 13 monitoring wells at concentrations ranging from 1.7 µg/L to 231 J µg/L. Further, this constituent was detected in six monitoring wells (MW-4B, MW-5B, MW-6B, MW-13S, MW-17S, and MW-19S) at concentrations greater than the Class GA groundwater standard of 5 µg/L (ranging from 9.8 µg/L to 231 J µg/L). The maximum detected concentration was reported in monitoring well MW-4B.
- TCE was detected in five of 13 monitoring wells at concentrations ranging from 2.2 µg/L to 6,330 µg/L. Further, this constituent was detected in four monitoring wells (MW-4B, MW-5B, MW-17S, and MW-19S) at concentrations greater than the Class GA groundwater standard of 5 µg/L (ranging from 65.5 µg/L to 6,330 µg/L). The maximum detected concentration was reported in monitoring well MW-4B.
- Vinyl chloride was detected in nine of 13 monitoring wells at concentrations ranging from 1.2 µg/L to 27,400 µg/L. Further, this constituent was detected in eight monitoring wells (MW-4B, MW-6B, MW-6S, MW-13S, MW-14S, MW-15S, MW-17S, MW-18S, and MW-19S) at concentrations greater than the Class GA groundwater standard of 2 µg/L (ranging from 14.6 µg/L to 27,400 µg/L). The maximum detected concentration was reported in monitoring well MW-4B.

Other VOCs

- Benzene was detected in five of 13 monitoring wells at concentrations ranging from 0.61 µg/L to 4.2 µg/L. Further, this constituent was detected in two monitoring wells (MW-6S and MW-15S) at concentrations greater than the Class GA groundwater standard of 1 µg/L.
- Ethylbenzene was detected in three of 13 monitoring wells at concentrations ranging from 3.6 µg/L to 10.0 µg/L. However, this constituent was detected in only one monitoring well (MW-6S) at a concentration greater than the Class GA groundwater standard of 5 µg/L.
- Toluene was detected in six of 13 monitoring wells at concentrations ranging from 0.68 J µg/L to 2,010 µg/L. Further, this constituent was detected in four monitoring wells (MW-4B, MW-6S, MW-14S, and MW-15S) at concentrations greater than the Class GA groundwater standard of 5 µg/L (ranging from 156 µg/L to 2,010 µg/L). The maximum detected concentration was reported in monitoring well MW-4B.

- Total Xylenes were detected in four of 13 monitoring wells (MW-4B, MW-6S, MW-14S, and MW-15S) at concentrations ranging from 15.2 µg/L to 249 µg/L, which were all greater than the Class GA groundwater standard of 5 µg/L. The maximum detected concentration was reported in monitoring well MW-4B.

Inorganics

- Iron was detected in all 13 monitoring wells (including one sample duplicate) at concentrations ranging from 150 µg/L to 73,200 µg/L. Further, this constituent was detected in 10 monitoring wells (including one sample duplicate) (MW-1S, MW-4S, MW-6B, MW-6S, MW-7S, MW-13S, MW-14S, MW-15S, MW-18S, and MW-19S) at concentrations greater than the Class GA groundwater standard of 300 µg/L (ranging from 434 µg/L to 73,200 µg/L). The maximum detected concentration was reported in monitoring well MW-6S.
- Iron (filtered) was detected in 12 of 13 monitoring wells (including one sample duplicate) at concentrations ranging from 62.3 J µg/L to 89,100 µg/L. Further, this constituent was detected in eight monitoring wells (including one sample duplicate) (MW-1S, MW-4S, MW-6B, MW-6S, MW-7S, MW-13S, MW-14S, and MW-15S) at concentrations greater than the Class GA groundwater standard of 300 µg/L (ranging from 798 µg/L to 89,100 µg/L). The maximum detected concentration was reported in monitoring well MW-6S.
- Manganese was detected in all 13 monitoring wells (including one sample duplicate) at concentrations ranging from 34.5 µg/L to 7,610 µg/L. Further, this constituent was detected in seven monitoring wells (including one sample duplicate) (MW-1S, MW-4S, MW-6S, MW-7S, MW-14S, MW-15S, and MW-18S) at concentrations greater than the Class GA groundwater standard of 300 µg/L (ranging from 514 µg/L to 7,610 µg/L). The maximum detected concentration was reported in monitoring well MW-1S.
- Manganese (filtered) was detected in all 13 monitoring wells (including one sample duplicate) at concentrations ranging from 5.5 J µg/L to 11,300 µg/L. Further, this constituent was detected in seven monitoring wells (including one sample duplicate) (MW-1S, MW-4S, MW-6S, MW-7S, MW-14S, MW-15S, MW-18S) at concentrations greater than the Class GA groundwater standard of 300 µg/L (ranging from 360 µg/L to 11,300 µg/L). The maximum detected concentration was reported in monitoring well MW-1S.

Iron and manganese are both soluble under the reducing conditions created by the injection of organic carbon to facilitate the treatment of CVOCs in groundwater. Also, iron was included in the 2022 ERD injections to reduce sulfide concentrations and improve biogeochemical conditions for dechlorinating organisms (as described in the August 2022 ERD Work Plan).

Future Activities and Schedule

Section 4.2 of the August 2022 ERD Work Plan indicated that post-injection groundwater monitoring events would be performed in January, April, and July 2023. The June 2023 PRR subsequently indicated that P-H/GE would continue to implement the groundwater monitoring program specified in the December 2021 Site Management Plan (SMP) through the end of 2024. As also noted in the June 2023 PRR, the groundwater remedy is ongoing, with the most progress demonstrated in the samples collected from the overburden monitoring wells. While the bedrock groundwater has not shown as much improvement as the overburden groundwater to date, the Min-Trap® samplers deployed in bedrock monitoring wells MW-04B and MW-06B indicate that precipitation of iron sulfide minerals is occurring in response to the injection of organic carbon and iron, which is resulting in reducing geochemical conditions that will facilitate the treatment of CVOCs in bedrock groundwater.

Given the demonstrated progress of the groundwater remedy and the existing robust data set for the site (which includes eight monitoring events performed after the 2017 ERD injections, a baseline monitoring event prior to the 2022 ERD injections, and four monitoring events performed after the 2022 ERD injections), four additional monitoring events in 2024 are not necessary to document the continuing progress of the groundwater remedy. Further, implementation of a winter monitoring event presents additional access and health and safety considerations. In addition to the intrinsic health and safety considerations and inefficiency associated with winter fieldwork, the monitoring wells located along the west side of the parking lot were buried under several feet of snow during previous winter monitoring events due to the plowing of the facility parking lot. As a result, GE/P-H proposed (and NYSDEC approved) the elimination of the 1Q2024 monitoring event during a December 20, 2023 conference call with NYSDEC. As indicated during that conference call, elimination of the 1Q2024 monitoring event could represent a more sustainable approach by reallocating the resources necessary to implement a winter monitoring event to continuing to implement the groundwater remedy (e.g., additional remedial injection, if needed).

NYSDEC's November 21, 2023 approval letter for the June 2023 PRR also requested the sampling of the three bedrock monitoring wells located south of the canal (MW-10B, MW-11B, and MW-12B) during the next monitoring event to confirm site-related CVOCs are not migrating under the canal. As an initial step, those monitoring wells were located during a December 8, 2023 site visit. The monitoring wells were located; however, all three wells were noted as missing bolts. In addition, monitoring well MW-12B was found with the well cover and riser plug removed; therefore, a locking plug was installed to secure the well. Given that these monitoring wells were found unsecured, combined with the amount of time that has passed since they were last sampled in 2003, all three wells will be redeveloped prior to sampling to address any buildup, fouling, or foreign material that may be present in these flush-mounted wells.

Based on the above information, the monitoring program for 2024 is outlined below.

- The monitoring network for the 3Q2024, 4Q2024 monitoring events will include the 12 source area monitoring wells (MW-1S, MW-4B, MW-4S, MW-6B, MW-6S, MW-7S, MW-13S, MW-14S, MW-15S, MW-17S, MW-18S, and MW-19S), as well as perimeter monitoring well MW-5B and monitoring well MW-14B (gauging only).
- The monitoring network for the 2Q2024 monitoring event will include the same 14 wells specified above, as well as the 10 remaining perimeter wells (EMW-2, EMW-4, MW-3B, MW-3S, MW-4C, MW-5S, MW-7B, MW-9S, MW-16B, and MW-16S), and three general wells (EMW-3, EMW-5, and MW-8S). As noted in the June 2023 PRR, general monitoring wells MW-2B and MW-2S are no longer exist and were removed from the monitoring program. In addition, monitoring wells MW-10B, MW-11B, and MW-12B will be redeveloped and added to the monitoring network for the 2Q2024 monitoring event, as specified in NYSDEC's November 21, 2023 letter for the June 2023 PRR.
- Due to seasonally low water levels, surface water sampling within the canal will be conducted during the 3Q2024 monitoring event.

The scope of the field activities for each monitoring event will be as follows:

- Depth to water and depth to bottom will be measured at each monitoring well subject to sampling during the monitoring event in question. In addition, monitoring well MW-14B will be gauged during each monitoring event to determine if a measurable quantity of NAPL is present.
- In accordance with Arcadis' February 7, 2022 proposal to the NYSDEC (as discussed in Section 2.1 of the ERD Work Plan) samples will be collected for the following laboratory analyses during each monitoring event:

  - Groundwater samples collected from the 12 source area wells and monitoring well MW-5B will be submitted for analysis of:
    - VOCs
    - Dissolved gases (ethane, ethene, and methane)
    - Total organic carbon
    - total and dissolved iron and manganese
    - sulfate and sulfide.
  - Groundwater samples collected from monitoring wells MW-10B, MW-11B, and MW-12B (2Q2024 monitoring event only) and the 10 perimeter wells and three general wells (3Q2024 monitoring event only) will be submitted for analysis of VOCs only.
  - Surface water samples collected from the canal (3Q2024 monitoring event only) will be submitted for analysis of VOCs only.
- An annual site wide inspection of engineering controls will be conducted concurrently with the 3Q2024 monitoring event.

Monitoring reports will be submitted approximately 30 days following receipt of the data collected during the 2Q2024 and 3Q2024 monitoring events. In addition, GE/P-H recommend that the results for the 4Q2024 monitoring event be incorporated into the next Periodic Review Report, which will be submitted during 1Q2025. That PRR will include a comprehensive summary of data trends, an updated mass reduction evaluation as specified in Section 6.1 of the SMP, a proposal for additional remedial injections (if needed), and the proposed scope of future monitoring activities at the Site.

Please contact Mr. Tom Silverman of P-H or Mr. Lewis Streeter of GE with any questions or comments regarding this report.

Sincerely,
Arcadis of New York, Inc.

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Project Manager

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CC.

Lewis Streeter, General Electric Company
Tom Silverman, Parker-Hannifin Corporation
Cassie Johnson, PE, Parker-Hannifin Corporation
James Nuss, PE, LSP, Arcadis

Enclosures:

- Table 1 – Gauging Data
- Table 2 – Groundwater Monitoring Event Data
- Table 3 – Groundwater Analytical Results (2022 to 2023)
- Figure 1 – Site Location Map
- Figure 2 – Site Map
- Figure 3 – Groundwater Analytical Data – October 2023
- Attachment 1 – Groundwater Sampling Logs
- Attachment 2 – Groundwater Laboratory Results

Tables

Table 1
Gauging Data
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - NYSDEC Site #859015
124 Columbia Street
Clyde, New York

Well ID	Measuring Point Elevation (ft amsl)	Screen Interval (ft bgs)	Date	Depth to Water (ft bmp)	Groundwater Elevation (ft amsl)	Depth to Bottom (ft bmp)
MW-1S	394.16	2.3 - 7.3	February 28, 2022	2.83	391.33	5.91
			January 17, 2023	2.72	391.44	6.88
			April 17, 2023	2.60	391.56	6.85
			July 17, 2023	2.82	391.34	6.79
			October 23, 2023	4.19	389.97	6.87
MW-3S	393.64	1.3 - 11.3	February 28, 2022	2.95	390.69	9.28
			April 17, 2023	4.26	389.38	9.35
MW-3B	393.91	28.8 - 38.8	February 28, 2022	8.21	385.70	38.69
			April 17, 2023	9.70	384.21	39.00
MW-4S	393.02	10.3 - 20.3	February 28, 2022	4.57	388.45	19.31
			January 17, 2023	4.70	388.32	19.56
			April 17, 2023	4.66	388.36	19.65
			July 17, 2023	4.49	388.53	19.54
			October 23, 2023	4.70	388.32	19.60
MW-4B	392.97	28.9 - 38.9	February 28, 2022	5.68	387.29	38.69
			January 17, 2023	6.16	386.81	--
			April 17, 2023	6.03	386.94	38.75
			July 17, 2023	5.07	387.90	38.75
			October 23, 2023	5.20	387.77	38.56
MW-4C	392.81	38.7 - 48.7	February 28, 2022	0.20	392.61	48.35
			April 17, 2023	0.50	392.31	48.80
MW-5S	392.86	1.2 - 11.2	February 28, 2022	3.77	389.09	10.84
			April 17, 2023	4.05	388.81	10.90
MW-5B	392.85	29.3 - 39.3	February 28, 2022	5.85	387.00	38.90
			April 17, 2023	6.55	386.30	39.39
			July 17, 2023	5.51	387.34	38.91
			October 23, 2023	5.38	387.47	38.99
MW-6S	394.25	5 - 15	February 28, 2022	3.70	390.55	14.32
			January 17, 2023	3.69	390.56	14.28
			April 17, 2023	3.75	390.50	14.30
			July 17, 2023	3.95	390.30	14.24
			October 23, 2023	4.38	389.87	14.31
MW-6B	394.23	29.4 - 39.4	February 28, 2022	6.20	388.03	39.31
			January 17, 2023	6.11	388.12	39.16
			April 17, 2023	6.20	388.03	39.40
			July 17, 2023	6.46	387.77	39.18
			October 23, 2023	6.22	388.01	39.24
MW-7S	396.92	6.5 - 16.5	February 28, 2022	8.45	388.47	18.28
			January 17, 2023	8.47	388.45	18.20
			April 17, 2023	8.43	388.49	18.15
			July 17, 2023	8.47	388.45	18.06
			October 23, 2023	8.62	388.30	18.13
MW-7B	399.10	28.9 - 38.9	February 28, 2022	10.19	388.91	40.92
			April 17, 2023	11.01	388.09	40.89
MW-8S	389.91	12 - 22	February 28, 2022	0.68	389.23	21.38
			April 17, 2023	1.00	388.91	21.50
MW-9S	391.19	7.4 - 17.4	February 28, 2022	3.86	387.33	18.28
			April 17, 2023	4.65	386.54	18.30
MW-13S	391.53	16.4 - 21.4	February 28, 2022	2.37	389.16	18.78
			January 17, 2023	2.34	389.19	18.78
			April 17, 2023	2.56	388.97	18.70
			July 17, 2023	2.87	388.66	18.63
			October 23, 2023	3.02	388.51	18.70

Table 1
Gauging Data
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - NYSDEC Site #859015
124 Columbia Street
Clyde, New York

Well ID	Measuring Point Elevation (ft amsl)	Screen Interval (ft bgs)	Date	Depth to Water (ft bmp)	Groundwater Elevation (ft amsl)	Depth to Bottom (ft bmp)
MW-14S	391.39	16.4 - 21.4	February 28, 2022	2.69	388.70	23.29
			January 17, 2023	2.72	388.67	23.47
			April 17, 2023	2.75	388.64	23.50
			July 17, 2023	2.82	388.57	23.38
			October 23, 2023	2.97	388.42	23.47
MW-15S	390.12	7.7 - 12.7	February 28, 2022	1.66	388.46	14.24
			January 17, 2023	1.66	388.46	14.50
			April 17, 2023	1.62	388.50	15.50
			July 17, 2023	1.59	388.53	14.43
			October 23, 2023	1.74	388.38	14.53
MW-16S	397.30	4.6 - 9.6	February 28, 2022	2.47	394.83	8.90
			April 17, 2023	2.56	394.74	8.90
MW-16B	397.69	33.6 - 43.6	February 28, 2022	3.12	394.57	42.88
			April 17, 2023	2.87	394.82	42.95
MW-17S	397.48	4.6 - 9.6	February 28, 2022	3.47	394.01	7.91
			January 17, 2023	3.58	393.90	8.06
			April 17, 2023	3.60	393.88	8.20
			July 17, 2023	3.60	393.88	8.13
			October 23, 2023	3.68	393.80	8.07
MW-18S	397.63	3 - 8	February 28, 2022	3.21	394.42	7.25
			January 17, 2023	3.55	394.08	7.26
			April 17, 2023	3.27	394.36	7.30
			July 17, 2023	3.27	394.36	7.22
			October 23, 2023	3.93	393.70	7.29
MW-19S	396.09	3.5 - 8.5	February 28, 2022	3.17	392.92	8.06
			January 17, 2023	3.31	392.78	8.07
			April 17, 2023	3.15	392.94	8.05
			July 17, 2023	3.18	392.91	7.96
			October 23, 2023	3.67	392.42	8.05
EMW-2	394.32	6 - 11	February 28, 2022	1.85	392.47	9.83
			April 17, 2023	1.91	392.41	9.70
EMW-3	393.49	6 - 11	February 28, 2022	4.82	388.67	10.03
			April 17, 2023	4.45	389.04	10.30
EMW-4	392.22	6 - 11	February 28, 2022	--	--	.--
			April 17, 2023	3.95	388.27	10.85
EMW-5	393.33	6 - 11	February 28, 2022	--	--	--
			April 17, 2023	4.18	389.15	11.95

Notes:

1) ft bmp - feet below measuring point.
2) ft bgs - feet below ground surface.
3) ft amsl - feet above mean sea level.
4) Measuring point elevations from GHD Report Table 3 titled: Water Level Elevation Data November 28, 2006, and Arcadis December 2017 Survey.
5) February 2022 gauging performed to collect pre-injection baseline data. Gauging consisted of the 12 source area, 11 perimeter, and three general wells (see note 9).
6) 2023 Q1 gauging consisted of the 12 source area monitoring wells per the 2022 ERD Injection Work Plan (Arcadis 2022).
7) 2023 Q2 gauging consisted of the 12 source area, 11 perimeter, and three general area montoring wells.
8) 2023 Q3 and Q4 gauging consisted of the 12 source area monitoring wells and one perimeter well (MW-5B). MW-5B was added to the source area monitoring program per the June 2023 Periodic Review Report.
9) "--" Indicates measurement not taken or not available. EMW-4 and EMW-5 were obstructed by snow banks on 2/28/2022. The water level meter probe was not able to be advanced to bottom at MW-4B on 1/17/2023; no depth to bottom measurement was collected. There is accumulating injection material residue on the inside of the riser acting as an obstruction.

Table 2
Groundwater Monitoring Event Data
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - SIte #859015
124 Columbia Street
Clyde, New York

Location ID: / Date Collected:	NYSDEC TOGS 1 1 1 (Class GA)	Units	MW-1S 10/23/2023	MW-4B 10/24/2023	MW-4S 10/24/2023	MW-5B 10/24/2023	MW-6B 10/24/2023	MW-6S 10/24/2023	MW-7S 10/23/2023	MW-13S 10/24/2023	MW-14S 10/23/2023	MW-15S 10/24/2023	MW-17S 10/23/2023	MW-18S 11/2/2023	MW-19S 11/2/2023
Volatile Organics															
1,1,1-Trichloroethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0
1,1,2,2-Tetrachloroethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
1,1,2-Trichloroethane	1	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,1-Dichloroethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.6	2.1	5.0 U	1.0 U	**9.9**
1,1-Dichloroethene	5	µg/L	1.0 U	**200 J**	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.8
1,2,3-Trichlorobenzene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2-Dibromo-3-chloropropane	0.04	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
1,2-Dibromoethane	0.0006	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	3	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2-Dichloroethane	0.6	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,2-Dichloropropane	1	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	3	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	3	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
2-Butanone (MEK)	50	µg/L	11.2	2500 U	10 U	100 U	2000 U	10 U	10 U [10 U]	100 U	10 U	10 U	50 U	10 U	10 U
4-Methyl-2-Pentanone	- -	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Acetone	50	µg/L	18.6	2500 U	10 U	100 U	2000 U	3.4 J	10 U [10 U]	100 U	10 U	10 U	50 U	10 U	10 U
Benzene	1	µg/L	0.50 U	130 U	0.70	5.0 U	100 U	**2.3**	0.50 U [0.50 U]	5.0 U	0.82	**4.2**	2.5 U	0.50 U	0.61
Bromochloromethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Bromodichloromethane	50	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Bromoform	50	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Bromomethane	5	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
Carbon Disulfide	60	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
Carbon Tetrachloride	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
CFC-11	5	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
CFC-12	5	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
Chlorobenzene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Chlorodibromomethane	50	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Chloroethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Chloroform	7	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Chloromethane	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
cis-1,2-Dichloroethene	5	µg/L	1.1	**49,900**	1.0 U	**1,360**	**32,300**	1.0	1.0 U [1.0 U]	**2,680**	**68.9**	0.56 J	**1,260**	**33.6**	**1,910**
cis-1,3-Dichloropropene	0.4	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Cyclohexane	- -	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Dichloromethane	5	µg/L	2.0 U	500 U	2.0 U	20 U	400 U	2.0 U	2.0 U [2.0 U]	20 U	2.0 U	2.0 U	10 U	2.0 U	2.0 U
Ethylbenzene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	**10.0**	1.0 U [1.0 U]	10 U	3.6	3.6	5.0 U	1.0 U	1.0 U
Isopropylbenzene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
m&p-Xylenes	5	µg/L	1.0 U	**289**	1.0 U	10 U	200 U	**68.0**	1.0 U [1.0 U]	10 U	**12.2**	**14.1**	5.0 U	1.0 U	1.0 U
Methyl Acetate	- -	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methyl N-Butyl Ketone (2-Hexanone)	50	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methylcyclohexane	- -	µg/L	5.0 U	1300 U	5.0 U	50 U	1000 U	5.0 U	5.0 U [5.0 U]	50 U	5.0 U	5.0 U	25 U	5.0 U	5.0 U
Methyl-tert-butylether	10	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
o-Xylene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	**13.6**	1.0 U [1.0 U]	10 U	3.0	**9.8**	5.0 U	1.0 U	1.0 U
Styrene (Monomer)	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Tetrachloroethene	5	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	2.8
Toluene	5	µg/L	1.0 U	**2,010**	1.0 U	10 U	200 U	**173**	1.0 U [1.0 U]	10 U	**156**	**282**	5.0 U	0.81 J	0.68 J
Total Xylenes	5	µg/L	1.0 U	**289**	1.0 U	10 U	200 U	**81.6**	1.0 U [1.0 U]	10 U	**15.2**	**23.9**	5.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	µg/L	1.7	**231 J**	1.0 U	**29.3**	**145 J**	1.0 U	1.0 U [1.0 U]	**18.9**	1.0 U	1.0 U	**9.8**	1.0 U	**17.8**
trans-1,3-Dichloropropene	0.4	µg/L	1.0 U	250 U	1.0 U	10 U	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	5.0 U	1.0 U	1.0 U
Trichloroethene	5	µg/L	1.0 U	**6,330**	1.0 U	**1,160**	200 U	1.0 U	1.0 U [1.0 U]	10 U	1.0 U	1.0 U	**233**	2.2	**65.5**
Vinyl chloride	2	µg/L	1.0 U	**27,400**	1.0 U	10 U	**8,950**	**67.4**	1.0 U [1.0 U]	**1,800**	**683**	1.2	**193**	**14.6**	**59.0**

Table 2
Groundwater Monitoring Event Data
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - SIte #859015
124 Columbia Street
Clyde, New York

Location ID: / Date Collected:	NYSDEC TOGS 1 1 1 (Class GA)	Units	MW-1S 10/23/2023	MW-4B 10/24/2023	MW-4S 10/24/2023	MW-5B 10/24/2023	MW-6B 10/24/2023	MW-6S 10/24/2023	MW-7S 10/23/2023	MW-13S 10/24/2023	MW-14S 10/23/2023	MW-15S 10/24/2023	MW-17S 10/23/2023	MW-18S 11/2/2023	MW-19S 11/2/2023
Dissolved Gases															
Ethane	- -	µg/L	2.0	206	657	0.23 U	27.8	483	61.8 [62.9]	3.89	202	2040	22.2	1.5	0.23 U
Ethene	- -	µg/L	0.31 U	1,500	123	0.25 J	162	120	0.31 U [0.31 U]	952	919	1360	11.3	0.66	0.31 U
Methane	- -	µg/L	6,580	6,330	5,070	0.53	2680	6120	3010 [3230]	6710	10700	8520	358	69.5	0.53
Metals															
Iron	300	µg/L	**37,500**	150	**23,400**	279	**1,030**	**73,200**	**15,500 [15,600]**	**809**	**7,140**	**45,500**	176	**434**	**3,090**
Manganese	300	µg/L	**7,610**	84.4	**1,660**	34.5	100	**1,980**	**2,140 [2,150]**	142	**514**	**1,470**	75.9	**849**	150
Metals-Filtered															
Iron	300	µg/L	**42,100**	1137	**23,400**	116	**798**	**89,100**	**16,700 [16,500]**	**866**	**6,860**	**43,000**	107	62.3 J	100 U
Manganese	300	µg/L	**11,300**	85.2	**1,620**	5.5 J	117	**2,570**	**2,180 [2,180]**	135	**505**	**1,430**	55.7	**360**	28.0
General Chemistry															
Total Organic Carbon	- -	mg/L	121	102	6.0	1.2	2.1	28.8	2.3 [2.7]	189	11.6	12.8	2.3	NA	9.8
Sulfate	- -	mg/L	1.3 J	323	1.3 J	1840	1300	1.8 J	170 [173]	300	6.2	4.4	51.3	58.6	27.3
Sulfide	- -	mg/L	2.0 U	174	2.0 U	2.0 U	4.7	2.0 U	2.0 U [2.0 U]	8.1	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Field Parameters															
pH	- -	dimensionless	6.93	6.61	7.10	7.15	6.86	6.47	6.94	6.79	6.82	6.61	6.75	7.38	7.02
Conductivity	- -	mS/cm	4.12	3.88	3.73	2.93	3.314	5.984	1.85	2.333	3.13	4.59	1.90	3.35	3.58
Turbidity	- -	NTU	20.8	0.82	1.57	3.97	4.07	19.6	1.23	2.52	1.37	3.72	2.23	3.37	4.80
Dissolved Oxygen	- -	mg/L	1.6	0.1	0.2	0.3	0.2	0.1	0.2	0.2	0.2	1.5	0.2	1.9	0.3
Temperature	- -	°C	16.1	14.3	15.3	14.5	15.9	18.1	13.5	13.6	13.0	12.2	20.5	17.7	16.6
Redox Potential	- -	mV	-61.3	-340.6	-0.8	959.2	-315.7	-129.7	-130.0	-337.6	255.7	-43.6	-24.1	457.8	111.5

Notes:

1) New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations for Source of Drinking Water (GA).

2) Bold/Shading - Exceeds applicable TOGS 1.1.1 value.

3) Data in this table is not validated.

4) Monitoring Wells MW-18S and MW-19S were purged dry before stabilization of field parameters; therefore, samples were collected following recharge.

5) [ ] - brackets represent duplicate sample analytical results.

Abbreviations:

µg/L - micrograms per liter

mg/L - milligrams per liter

mS/cm - milli siemens per centimeter

NTU - Nephelometric Turbidity Units

°C - degrees Celsius

Lab Qualifiers:

J - Indicates an estimated value.

U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

UJ - The compound was analyzed for but not detected. The associated value is the compound quantitation limit. Indicates an estimated value.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	EMW-2		EMW-4	MW-1S					MW-3B		MW-3S	
Date Collected:	(Class GA)		2/28/2022	4/20/2023	4/18/2023	3/2/2022	1/17/2023	4/17/2023	7/17/2023	10/23/2023	3/1/2022	4/18/2023	3/1/2022	4/18/2023
Volatile Organics														
1,1,1-Trichloroethane	5	µg/L	1.0 UJ	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	5.0 U	5.0 U	5.0 U	13 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	µg/L	1.0 U	1.0 U	1.0 U	**5.1**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	µg/L	0.50 U	0.50 U	0.50 U	1.3 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Carbon Disulfide	60	µg/L	2.0 U	2.0 U	2.0 U	5.0 U	2.0 UJ	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U
cis-1,2-Dichloroethene	5	µg/L	1.3	2.3	1.0 U	**988 D**	**50.1**	**21.7**	4.9	1.1	1.0 U	1.0 U	1.0 UJ	1.0 U
cis-1,3-Dichloropropene	0.4	µg/L	1.0 UJ	1.0 U	1.0 U	2.5 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
Cyclohexane	- -	µg/L	5.0 U	5.0 UJ	5.0 U	13 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
Dichloromethane	5	µg/L	2.0 U	2.0 U	2.0 U	5.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 UJ	2.0 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
Isopropylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
m&p-Xylenes	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
Tetrachloroethene	5	µg/L	1.0 U	1.0 U	1.0 U	**8.8**	0.69 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
Total Xylenes	5	µg/L	1.0 U	1.0 U	1.0 U	2.5 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
trans-1,2-Dichloroethene	5	µg/L	1.0 U	1.0 U	1.0 U	**38.2**	3.6	**5.0**	**6.5**	1.7	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	µg/L	1.0 U	2.0	1.0 U	**315**	**5.6**	4.0	0.97 J	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	µg/L	**5.4**	**8.4**	1.0 U	**96.6**	**16.4**	**8.1**	1.8	1.0 U	1.0 U	1.0 U	1.0 UJ	1.0 U
Dissolved Gases														
Ethane	- -	µg/L	NA	NA	NA	4.08	2.68	4.78	6.02	2.0	NA	NA	NA	NA
Ethene	- -	µg/L	NA	NA	NA	0.62	15.7	41.4	2.5	0.31 U	NA	NA	NA	NA
Methane	- -	µg/L	NA	NA	NA	27.2	362 D	5,110 D	6,520	6,580	NA	NA	NA	NA
Metals														
Iron	300	µg/L	NA	NA	NA	**509**	**12,100**	**28,600**	**62,800**	**37,500**	NA	NA	NA	NA
Manganese	300	µg/L	NA	NA	NA	**1,300**	**49,600**	**22,700**	**17,900**	**7,610**	NA	NA	NA	NA
Metals-Filtered														
Iron	300	µg/L	NA	NA	NA	100 U	**11,100**	**32,900**	**60,800**	**42,100**	NA	NA	NA	NA
Manganese	300	µg/L	NA	NA	NA	**1,320**	**50,000**	**25,400**	**20,400**	**11,300**	NA	NA	NA	NA

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-4B					MW-4C		MW-4S				
Date Collected:	(Class GA)		3/2/2022	1/18/2023	4/20/2023	7/20/2023	10/24/2023	3/2/2022	4/18/2023	3/2/2022	1/18/2023	4/19/2023	7/20/2023	10/24/2023
Volatile Organics														
1,1,1-Trichloroethane	5	µg/L	100 UJ	200 U	100 U	100 U	250 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	500 UJ	1,000 U	500 U	500 U	1300 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
1,1-Dichloroethane	5	µg/L	100 UJ	200 U	100 U	100 U	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	5	µg/L	**303 J**	**212**	**288**	**238**	**200 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	1	µg/L	50 UJ	100 U	50 U	50 U	130 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.55	0.70
Carbon Disulfide	60	µg/L	200 UJ	400 U	**118 J**	200 U	500 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	5	µg/L	**52,200 DJ**	**48,200 D**	**55,800 D**	**56,100**	**49,900**	1.0 U	1.0 U	0.73 J	1.0 U	1.0 U	1.0 U	1.0 U
cis-1,3-Dichloropropene	0.4	µg/L	100 UJ	200 U	100 U	100 U	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Cyclohexane	- -	µg/L	500 UJ	1,000 U	500 UJ	500 U	1300 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U	5.0 U
Dichloromethane	5	µg/L	200 UJ	400 U	200 U	200 U	500 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Ethylbenzene	5	µg/L	**179 J**	**178 J**	**103**	**162**	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Isopropylbenzene	5	µg/L	100 UJ	200 U	100 U	100 U	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
m&p-Xylenes	5	µg/L	**433 J**	**361**	**222**	**392**	**289**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
o-Xylene	5	µg/L	**109 J**	**120 J**	**62.4 J**	**101**	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Tetrachloroethene	5	µg/L	100 UJ	200 U	100 U	100 U	250 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	µg/L	**3,100 J**	**1,880**	**1,990**	**2,680**	**2,010**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Total Xylenes	5	µg/L	**542 J**	**481**	**284**	**493**	**289**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	µg/L	**282 J**	**289**	**247**	**235**	**231 J**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Trichloroethene	5	µg/L	**18,000 J**	**7,550**	**9,500**	**7,800**	**6,330**	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Vinyl chloride	2	µg/L	**12,800 DJ**	**22,500**	**31,000 D**	**28,300**	**27,400**	1.0 U	1.0 U	**7.1**	1.0 U	1.0 U	1.0 U	1.0 U
Dissolved Gases														
Ethane	- -	µg/L	110 J	174 J	195 J	187	206	NA	NA	41.2	325 D	410 D	420	657
Ethene	- -	µg/L	1,140 DJ	1,390 DJ	1,450 DJ	1,410	1,500	NA	NA	36.3	17.8	1.5	7.78	123
Methane	- -	µg/L	6,400 DJ	5,910 DJ	6,990 DJ	5,510	6,330	NA	NA	1,590 D	4,240 DJ	4,470 D	4,890	5,070
Metals														
Iron	300	µg/L	41.5 J	500 U	100 U	100 U	150	NA	NA	**6,280**	**18,100**	**25,400**	**19,500**	**23,400**
Manganese	300	µg/L	110	90.6	94.5	79.8	84.4	NA	NA	**2,490**	**2,330**	**2,560**	**1,990**	**1,660**
Metals-Filtered														
Iron	300	µg/L	100 U	500 U	100 U	100 U	1137	NA	NA	**5,820**	**18,600**	**23,600**	**18,000**	**23,400**
Manganese	300	µg/L	109	88.5	76.4	80.7	85.2	NA	NA	**2,470**	**2,490**	**2,570**	**2,080**	**1,620**

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-5B				MW-5S		MW-6B				
Date Collected:	(Class GA)		3/1/2022	4/17/2023	7/20/2023	10/24/2023	3/1/2022	4/17/2023	3/3/2022	1/18/2023	4/18/2023	7/20/2023	10/24/2023
Volatile Organics													
1,1,1-Trichloroethane	5	µg/L	1.0 UJ	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	5.0 U	50 U	100 U	50 U	5.0 U	5.0 U [5.0 U]	1,300 U	1,000 U	500 U	500 U	1000 U
1,1-Dichloroethane	5	µg/L	1.0 UJ	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
1,1-Dichloroethene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	**109**	**88.4 J**	200 U
Benzene	1	µg/L	0.50 U	5.0 U	10 U	5.0 U	0.50 U	0.50 U [0.50 U]	130 U	100 U	50 U	50 U	100 U
Carbon Disulfide	60	µg/L	2.0 U	20 U	40 U	20 U	2.0 UJ	2.0 U [2.0 U]	500 U	400 U	200 U	200 U	400 U
cis-1,2-Dichloroethene	5	µg/L	**5.5**	**98.9**	**896**	**1,360**	1.0 UJ	1.0 U [1.0 U]	**36,400**	**43,200 D**	**42,500 D**	**33,300**	**32,300**
cis-1,3-Dichloropropene	0.4	µg/L	1.0 UJ	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
Cyclohexane	- -	µg/L	5.0 U	50 U	100 U	50 U	5.0 U	5.0 U [5.0 U]	1,300 U	1,000 U	500 U	500 U	1000 U
Dichloromethane	5	µg/L	2.0 U	20 U	40 U	20 U	2.0 UJ	2.0 U [2.0 U]	500 U	400 U	200 U	200 U	400 U
Ethylbenzene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
Isopropylbenzene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
m&p-Xylenes	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
o-Xylene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
Tetrachloroethene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
Toluene	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	**116 J**	**70.6 J**	**74.8 J**	200 U
Total Xylenes	5	µg/L	1.0 U	10 U	20 U	10 U	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
trans-1,2-Dichloroethene	5	µg/L	1.0 U	10 U	20 U	**29.3**	1.0 U	1.0 U [1.0 U]	**194 J**	**230**	**234**	**158**	**145 J**
Trichloroethene	5	µg/L	**491 D**	**2,150 D**	**2,710**	**1,160**	1.0 U	1.0 U [1.0 U]	250 U	200 U	100 U	100 U	200 U
Vinyl chloride	2	µg/L	1.0 U	10 U	20 U	10 U	1.0 UJ	1.0 U [1.0 U]	**6,510**	**7,350**	**8,800**	**11,300**	**8,950**
Dissolved Gases													
Ethane	- -	µg/L	NA	NA	0.45	0.23 U	NA	NA	13.6	21.5	23.4	27.1	27.8
Ethene	- -	µg/L	NA	NA	0.31 U	0.25 J	NA	NA	130	154	126	174	162
Methane	- -	µg/L	NA	NA	0.28	0.53	NA	NA	1,590 D	3,600 D	3,170 D	2,130	2680
Metals													
Iron	300	µg/L	NA	NA	65.7 J	279	NA	NA	**1,580**	**1,630**	**730**	**1,130**	**1,030**
Manganese	300	µg/L	NA	NA	24.3	34.5	NA	NA	89.4	116	189	161	100
Metals-Filtered													
Iron	300	µg/L	NA	NA	100 U	116	NA	NA	**1,290**	**451**	**1,030**	**582**	**798**
Manganese	300	µg/L	NA	NA	15 U	5.5 J	NA	NA	91.3	106	157	155	117

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-6S					MW-7B		MW-7S				
Date Collected:	(Class GA)		3/3/2022	1/18/2023	4/18/2023	7/20/2023	10/24/2023	3/1/2022	4/19/2023	3/1/2022	1/17/2023	4/19/2023	7/20/2023	10/23/2023
Volatile Organics														
1,1,1-Trichloroethane	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 UJ [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	50 U	100 U	50 U	50 U	5.0 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U [5.0 U]	5.0 U [5.0 U]	5.0 U	5.0 U [5.0 U]
1,1-Dichloroethane	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
1,1-Dichloroethene	5	µg/L	10 UJ	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Benzene	1	µg/L	**4.5 J**	10 U	5.0 U	4.7 J	**2.3**	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U [0.50 U]	0.50 U	0.50 U [0.50 U]
Carbon Disulfide	60	µg/L	20 UJ	40 U	20 U	20 U	2.0 U	2.0 UJ	2.0 U	2.0 U [2.0 UJ]	2.0 U [2.0 UJ]	2.0 U [2.0 U]	2.0 U	2.0 U [2.0 U]
cis-1,2-Dichloroethene	5	µg/L	**1,580 J**	**451**	**54.2**	10 U	1.0	1.0 UJ	1.0 U	4.3 [3.4]	2.7 [2.9]	0.76 J [0.89 J]	1.0 U	1.0 U [1.0 U]
cis-1,3-Dichloropropene	0.4	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 UJ [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Cyclohexane	- -	µg/L	50 UJ	100 U	50 U	50 U	5.0 U	5.0 U	5.0 UJ	5.0 U [5.0 U]	5.0 U [5.0 U]	5.0 UJ [5.0 UJ]	5.0 U	5.0 U [5.0 U]
Dichloromethane	5	µg/L	20 UJ	40 U	20 U	20 U	2.0 U	2.0 UJ	2.0 U	2.0 U [2.0 U]	2.0 U [2.0 U]	2.0 U [2.0 U]	2.0 U	2.0 U [2.0 U]
Ethylbenzene	5	µg/L	**16.3**	**67.2**	**32.5**	**29.2**	**10.0**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Isopropylbenzene	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
m&p-Xylenes	5	µg/L	**110**	**410**	**203**	**203**	**68.0**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
o-Xylene	5	µg/L	**20.9**	**70.0**	**39.0**	**37.2**	**13.6**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Tetrachloroethene	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Toluene	5	µg/L	**1,540**	**4,130 D**	**1,820 J**	**1,640**	**173**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Total Xylenes	5	µg/L	**131**	**480**	**242**	**240**	**81.6**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
trans-1,2-Dichloroethene	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Trichloroethene	5	µg/L	10 U	20 U	10 U	10 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U [1.0 U]	1.0 U	1.0 U [1.0 U]
Vinyl chloride	2	µg/L	**4,940 D**	**1,060**	**74.2**	**36.5**	**67.4**	1.0 UJ	1.0 U	**2.2 [2.2]**	**2.3 [2.3]**	0.67 J [0.65 J]	1.0 U	1.0 U [1.0 U]
Dissolved Gases														
Ethane	- -	µg/L	3,870	2,100	1,330	868	483	NA	NA	5.81 J [11.7]	56.3 [41.7]	38.2 [33.9]	52.0	61.8 [62.9]
Ethene	- -	µg/L	3,240	2,530	1,860	1230	120	NA	NA	1.5 J [3.04]	8.34 J [5.68 J]	0.18 J [0.17 J]	0.31 U	0.31 U [0.31 U]
Methane	- -	µg/L	9,530	7,100	3,170	4,640	6120	NA	NA	3,400 DJ [5,110]	6,820 D [5,990]	6,210 DJ [6,110]	4,730	3010 [3230]
Metals														
Iron	300	µg/L	**89,000**	**134,000**	**100,000**	**122,000**	**73,200**	NA	NA	**7,120 [7,230]**	**8,590 [7,250 J]**	**10,900 [11,700]**	**18,900**	**15,500 [15,600]**
Manganese	300	µg/L	**2,680**	**3,330 J**	**2,530**	**3,570**	**1,980**	NA	NA	**3,760 [3,730]**	**3,750 [3,550]**	**3,560 [3,710]**	**2,370**	**2,140 [2,150]**
Metals-Filtered														
Iron	300	µg/L	**87,500**	**146,000**	**116,000**	**118,000**	**89,100**	NA	NA	**7,560 [7,590]**	**9,400 [9,340 J]**	**11,700 [11,200]**	**18,100**	**16,700 [16,500]**
Manganese	300	µg/L	**2,680**	**3,760 J**	**3,000**	**3,550**	**2,570**	NA	NA	**3,790 [3,630]**	**3,600 [3,660]**	**3,610 [3,540]**	**2,260**	**2,180 [2,180]**

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-9S		MW-13S					MW-14S				
Date Collected:	(Class GA)		3/1/2022	4/19/2023	3/2/2022	1/18/2023	4/19/2023	7/20/2023	10/24/2023	3/3/2022	1/18/2023	4/18/2023	7/17/2023	10/23/2023
Volatile Organics														
1,1,1-Trichloroethane	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	5.0 U	5.0 U	100 U	250 U	250 U	250 U	50 U	50 U	10 U	5.0 U	5.0 U [5.0 U]	5.0 U
1,1-Dichloroethane	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	1.3 J	1.2	1.1 [1.0 U]	1.6
1,1-Dichloroethene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
Benzene	1	µg/L	0.50 U	0.50 U	10 U	25 U	25 U	25 U	5.0 U	5.0 U	1.0 U	0.50 U	0.50 U [0.50 U]	0.82
Carbon Disulfide	60	µg/L	2.0 UJ	2.0 U	40 U	100 U	100 U	100 U	20 U	20 U	4.0 UJ	2.0 U	2.0 U [2.0 U]	2.0 U
cis-1,2-Dichloroethene	5	µg/L	1.0 UJ	1.0 U	**7,920 D**	**6,670**	**11,800 D**	**8,010**	**2,680**	**1,710**	**334**	**76.9**	**124 [131]**	**68.9**
cis-1,3-Dichloropropene	0.4	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
Cyclohexane	- -	µg/L	5.0 U	5.0 UJ	100 U	250 U	250 UJ	250 U	50 U	50 U	10 U	5.0 U	5.0 U [5.0 U]	5.0 U
Dichloromethane	5	µg/L	2.0 UJ	2.0 U	40 U	100 U	100 U	100 U	20 U	20 U	4.0 U	2.0 U	2.0 U [2.0 U]	2.0 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	**7.7 J**	2.6	1.0	1.2 [1.1]	3.6
Isopropylbenzene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
m&p-Xylenes	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	**29.5**	**9.6**	3.8	3.2 [3.3]	**12.2**
o-Xylene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	10 U	2.2	0.94 J	0.94 J [0.99 J]	3.0
Tetrachloroethene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 UJ	50 U	10 U	10 U	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
Toluene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	**460**	**93.2**	**9.5**	**16.5 [16.0]**	**156**
Total Xylenes	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	**29.5**	**11.8**	4.7	4.1 [4.3]	**15.2**
trans-1,2-Dichloroethene	5	µg/L	1.0 U	1.0 U	**28.7**	**44.3 J**	**46.0 J**	**40.6 J**	**18.9**	**5.4 J**	1.1 J	1.0 U	1.0 U [1.0 U]	1.0 U
Trichloroethene	5	µg/L	1.0 U	1.0 U	20 U	50 U	50 U	50 U	10 U	**64.5**	2.0 U	1.0 U	1.0 U [1.0 U]	1.0 U
Vinyl chloride	2	µg/L	1.0 UJ	1.0 U	**1,090**	**1,830**	**2,740**	**3,920**	**1,800**	**1,460**	**817 D**	**128**	**257 [223]**	**683**
Dissolved Gases														
Ethane	- -	µg/L	NA	NA	4.00	3.65	1.7	1.9	3.89	188 J	184	208	472 [386]	202
Ethene	- -	µg/L	NA	NA	31.2	109	90.8	515	952	291 J	206	149	158 [113]	919
Methane	- -	µg/L	NA	NA	1,730 D	757 D	735 D	1,690	6710	10,900 DJ	10,500 D	13,300	13,000 [10,200]	10700
Metals														
Iron	300	µg/L	NA	NA	**3,130**	**767**	**362**	**334**	**809**	**10,400**	**6,390**	**5,240**	**5,410 [5,670]**	**7,140**
Manganese	300	µg/L	NA	NA	274	149	104	81.4	142	**560**	**462**	**374**	**365 [395]**	**514**
Metals-Filtered														
Iron	300	µg/L	NA	NA	**2,320**	**364**	**369**	**343**	**866**	**9,380**	**6,090**	**4,380**	**5,810 [5,300]**	**6,860**
Manganese	300	µg/L	NA	NA	276	152	91.1	83.8	135	**532**	**481**	**383**	**418 [380]**	**505**

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-15S					MW-16B		MW-16S		MW-17S				
Date Collected:	(Class GA)		3/3/2022	1/18/2023	4/19/2023	7/17/2023	10/24/2023	3/1/2022	4/19/2023	3/1/2022	4/19/2023	3/2/2022	1/17/2023	4/18/2023	7/17/2023	10/23/2023
Volatile Organics																
1,1,1-Trichloroethane	5	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	50 U	5.0 U	100 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U [5.0 U]	5.0 U	**6.8**	25 U	**9.2 J**	1.9 J	25 U
1,1-Dichloroethane	5	µg/L	10 U	1.8	20 U	2.7	2.1	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
1,1-Dichloroethene	5	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.4	5.0 U	10 U	1.0	5.0 U
Benzene	1	µg/L	**6.5**	**3.8**	10 U	**5.8**	**4.2**	0.50 U	0.50 U	0.50 U [0.50 U]	0.50 U	0.50 U	2.5 U	5.0 U	0.50 U	2.5 U
Carbon Disulfide	60	µg/L	20 U	2.0 UJ	40 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 UJ [2.0 UJ]	2.0 U	2.0 U	10 U	20 U	2.0 U	10 U
cis-1,2-Dichloroethene	5	µg/L	**204**	2.9	**23.5**	1.3	0.56 J	1.0 UJ	1.0 U	1.0 UJ [1.0 UJ]	1.0 U	**810 D**	**1,080 D**	**1,920 D**	**1,070**	**1,260**
cis-1,3-Dichloropropene	0.4	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
Cyclohexane	- -	µg/L	50 U	5.0 U	100 UJ	5.0 U	5.0 U	5.0 U	5.0 UJ	5.0 U [5.0 U]	5.0 UJ	5.0 U	25 U	50 U	5.0 U	25 U
Dichloromethane	5	µg/L	20 U	2.0 U	40 U	2.0 U	2.0 U	2.0 UJ	2.0 U	2.0 UJ [2.0 UJ]	2.0 U	2.0 U	10 U	20 U	2.0 U	10 U
Ethylbenzene	5	µg/L	10 U	3.6	20 U	**5.3**	3.6	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
Isopropylbenzene	5	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
m&p-Xylenes	5	µg/L	**9.8 J**	**14.9**	**18.4 J**	**22.6**	**14.1**	0.94 J	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
o-Xylene	5	µg/L	**7.1 J**	**10.9**	20 U	**15.5**	**9.8**	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
Tetrachloroethene	5	µg/L	10 U	1.0 U	20 UJ	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
Toluene	5	µg/L	**158**	**307 D**	**555**	**478**	**282**	1.4 J	1.0 U	1.0 U [1.0 U]	1.0 U	1.7	5.0 U	10 U	1.0 U	5.0 U
Total Xylenes	5	µg/L	**16.9**	**25.8**	**18.4 J**	**38.1**	**23.9**	0.94 J	1.0 U	1.0 U [1.0 U]	1.0 U	1.0 U	5.0 U	10 U	1.0 U	5.0 U
trans-1,2-Dichloroethene	5	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U [1.0 U]	1.0 U	3.2	**8.9**	**19.6**	**9.5**	**9.8**
Trichloroethene	5	µg/L	10 U	1.0 U	20 U	1.0 U	1.0 U	1.0 U	1.0 U	1.2 J [1.1 J]	1.2	**66.1**	**137**	**727**	**249**	**233**
Vinyl chloride	2	µg/L	**4,310 D**	**86.6**	**2,880 D**	**6.0**	1.2	1.0 UJ	1.0 U	1.0 UJ [1.0 UJ]	1.0 U	**423 D**	**140**	**264**	**133**	**193**
Dissolved Gases																
Ethane	- -	µg/L	1,440	1,250	2,030 J	1,670	2040	NA	NA	NA	NA	9.97	18.1	14.3	10.6	22.2
Ethene	- -	µg/L	4,100	5,430	7,120 J	6,220	1360	NA	NA	NA	NA	14.1	13.3	13.5	7.04	11.3
Methane	- -	µg/L	8,920	9,670	10,600 J	8,530	8520	NA	NA	NA	NA	109	191 D	227	102	358
Metals																
Iron	300	µg/L	**25,700**	**29,800**	**32,700**	**45,200**	**45,500**	NA	NA	NA	NA	93.0 J	100 U	**405**	69.4 J	176
Manganese	300	µg/L	**1,020**	**1,170**	**1,630**	**1,890**	**1,470**	NA	NA	NA	NA	59.6	43.5	189	38.9	75.9
Metals-Filtered																
Iron	300	µg/L	**24,400**	**31,900**	**32,500**	**43,600**	**43,000**	NA	NA	NA	NA	**948**	100 U	100 U	60.9 J	107
Manganese	300	µg/L	**1,010**	**1,240**	**1,620**	**1,900**	**1,430**	NA	NA	NA	NA	**495**	40.2	46.3	37.4	55.7

See notes on page 8.

Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Location ID:	NYSDEC TOGS 1 1 1	Units	MW-18S					MW-19S				
Date Collected:	(Class GA)		3/2/2022	1/26/2023	4/28/2023	7/28/2023	11/2/2023	3/2/2022	1/18/2023	4/17/2023	7/18/2023	7/19/2023
Volatile Organics												
1,1,1-Trichloroethane	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.6	1.6	**15.9**	3.4	1.0
1,1,2-trichloro-1,2,2-trifluoroethane	5	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U	5.0 U	5.0 U
1,1-Dichloroethane	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**10.4**	**7.0**	**9.5**	**9.7**	**9.9**
1,1-Dichloroethene	5	µg/L	1.0 U	1.0 U	1.0 UJ	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.8
Benzene	1	µg/L	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	2.0 U	0.50 U	0.61
Carbon Disulfide	60	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	2.0 U	2.0 U
cis-1,2-Dichloroethene	5	µg/L	**30.9**	**31.5**	**44.3**	**61.6**	**33.6**	**432 D**	**293 D**	**479**	**417**	**1,910**
cis-1,3-Dichloropropene	0.4	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
Cyclohexane	- -	µg/L	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	20 U	5.0 U	5.0 U
Dichloromethane	5	µg/L	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	8.0 U	2.0 U	2.0 U
Ethylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
Isopropylbenzene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
m&p-Xylenes	5	µg/L	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
o-Xylene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
Tetrachloroethene	5	µg/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	**9.9**	2.7	**10.6**	4.1	2.8
Toluene	5	µg/L	2.3	1.0 U	0.54 J	0.82 J	0.81 J	1.0 U	1.0 U	4.0 U	1.0 U	0.68 J
Total Xylenes	5	µg/L	1.4	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	4.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	5	µg/L	1.0 U	0.69 J	0.78 J	0.63 J	1.0 U	**6.3**	3.4	**7.3**	**5.5**	**17.8**
Trichloroethene	5	µg/L	2.1	3.0	4.0	4.7	2.2	**199**	**104**	**512**	**215**	**65.5**
Vinyl chloride	2	µg/L	**13.5**	**4.1**	**5.3**	**2.6**	**14.6**	1.0 U	1.3	4.0 U	**4.1**	**59.0**
Dissolved Gases												
Ethane	- -	µg/L	0.46	0.23 U	1.1 J	0.34	1.5	0.23 U	0.23 U	0.16 J	0.18	0.23 U
Ethene	- -	µg/L	0.31 U	0.31 U	1.6 J	0.39	0.66	0.31 U	0.31 U	0.31 U	0.31 U	0.31 U
Methane	- -	µg/L	31.9	0.20	201 D	48.2	69.5	0.45	0.22	1.32	0.74	0.53
Metals												
Iron	300	µg/L	**1,710**	**1,510**	**432**	**2,540**	**434**	44.6 J	**3,660**	**4,770**	**1,040**	**3,090**
Manganese	300	µg/L	**375**	**308**	**392 J**	**862**	**849**	8.8 J	244	205	243	150
Metals-Filtered												
Iron	300	µg/L	100 U	100 U	**340**	**582**	62.3 J	100 U	100 U	100 U	100 U	100 U
Manganese	300	µg/L	**321**	195	**532 J**	**896**	**360**	6.2 J	28.2	15 U	92.0	28.0

See notes on page 8.

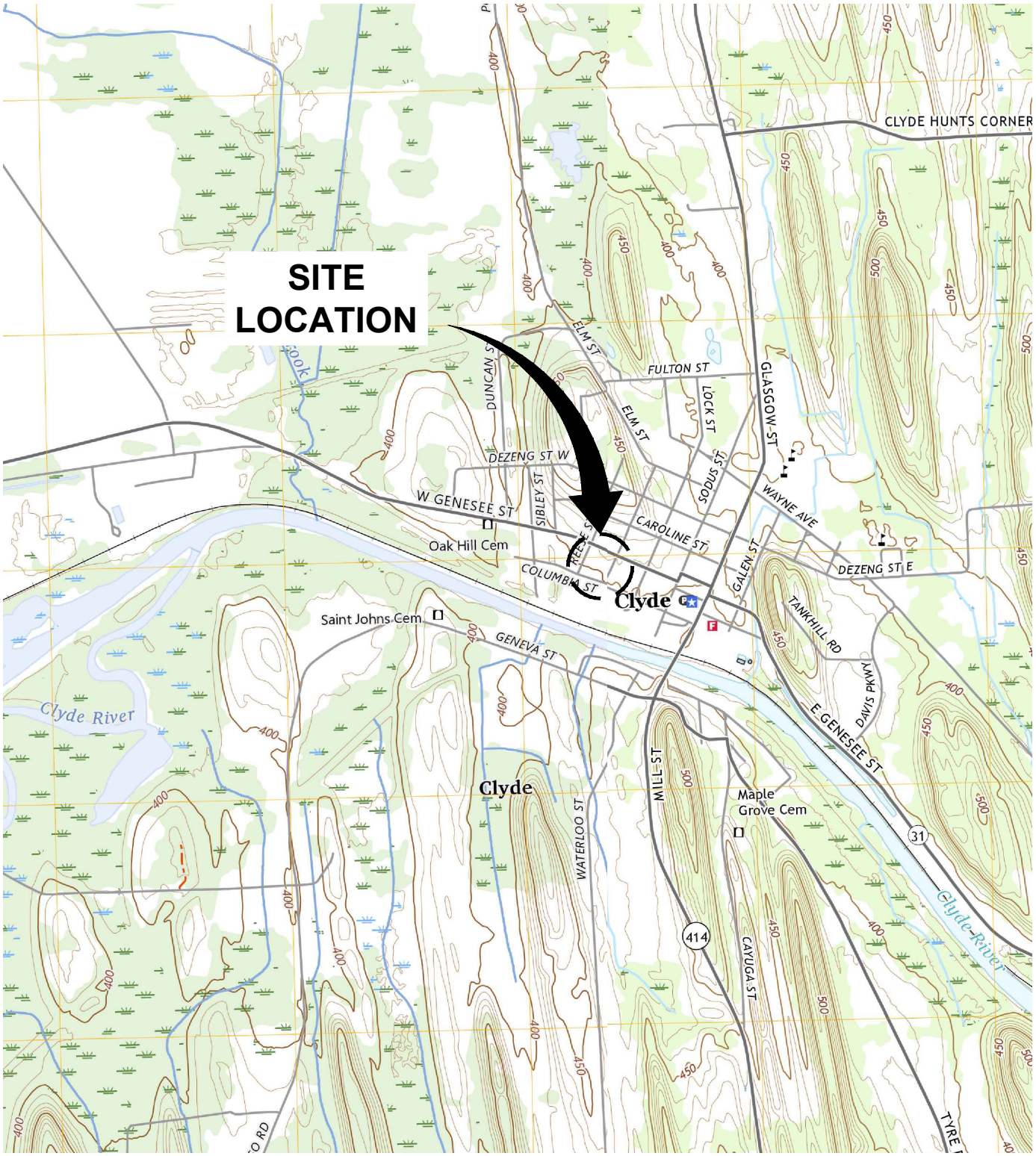
Table 3
Groundwater Analytical Results (2022 to 2023)
Fourth Quarter 2023 Groundwater Monitoring Report
Old Erie Canal - Site #859015
124 Columbia Street
Clyde, New York

Notes:

1) New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS 1.1.1) Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations for Source of Drinking Water (Class GA).
2) Only volatile organic constituents where concentration exceeds respective TOGS 1.1.1 value are shown.
3) Bold/Shading - Exceeds applicable TOGS 1.1.1 value.
4) Data in this table is validated (with exception of July and October 2023 Data). Unvalidated data will be validated prior to inclusion in the 2024 Periodic Review Reoprt.
5) Monitoring Wells MW-18S (all events) and MW-19S (January, July, and October 2023 events) went dry before stabilization of field parameters; therefore, samples were collected following recharge.
6) [ ] - brackets represent duplicate sample analytical results.
7) Dissolved Organic Carbon was analyzed for during the March 2022 event and Total Organic Carbon was analyzed for during the January, April, July, and October 2023 events. As both these analyses produce almost identical results (dissolved = sample is filtered), these results are reported together in the same row 'Dissolved/Total Organic Carbon'.

Abbreviations:
µg/L - micrograms per liter
NA - Not Analyzed/Applicable/Available
Lab Qualifiers:
B - The compound has been found in the sample as well as its associated blank, its presence in the sample may be suspect.
D - Concentration is based on a diluted sample analysis.
J - Indicates an estimated value.
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Figures



REFERENCE: BASE MAP USGS 7.5. MIN. TOPO. QUAD., LYONS AND SAVANNAH, NY, 2019.

0 2000' 4000'

Approximate Scale: 1 in. = 2000 ft.

OLD ERIE CANAL - NYSDEC SITE #859015
124 COLUMBIA STREET- CLYDE, NEW YORK

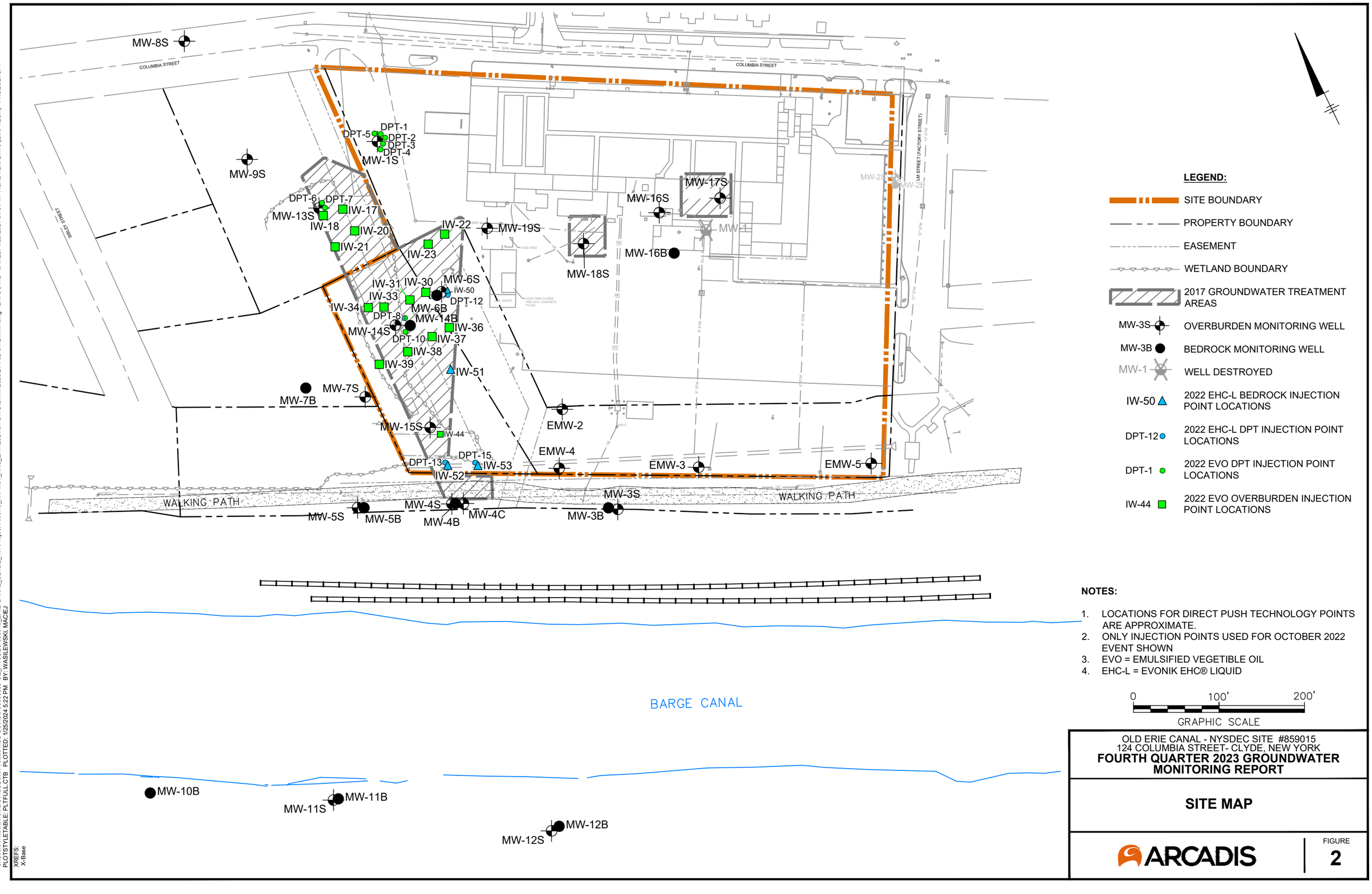
SITE LOCATION MAP

ARCADIS

FIGURE 1

XREFS: IMAGES: PROJECTNAME: ---
NY_Lyons_20230426_TM_geo.jpg
NY_Savannah_20190920_TM_geo-page-0.jpg

C:\Users\ymb2640\ACCDocs\Arcadis\AUS-GE-859015-CLYDE New York\Project Files\2023\01-In Progress\01-DWG\GEN-F01-SITE LOCATION MAP.dwg LAYOUT: 1 SAVED: 5/24/2023 1:05 PM ACADVER: 24.1S (LMS TECH) PAGESETUP: --- PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 5/25/2023 7:02 PM BY: Y M. BABU



LEGEND:

- SITE BOUNDARY
- PROPERTY BOUNDARY
- EASEMENT
- WETLAND BOUNDARY
- 2017 GROUNDWATER TREATMENT AREAS
- MW-3S — OVERBURDEN MONITORING WELL
- MW-3B — BEDROCK MONITORING WELL
- MW-1 — WELL DESTROYED
- IW-50 — 2022 EHC-L BEDROCK INJECTION POINT LOCATIONS
- DPT-12 — 2022 EHC-L DPT INJECTION POINT LOCATIONS
- DPT-1 — 2022 EVO DPT INJECTION POINT LOCATIONS
- IW-44 — 2022 EVO OVERBURDEN INJECTION POINT LOCATIONS

NOTES:

1. LOCATIONS FOR DIRECT PUSH TECHNOLOGY POINTS ARE APPROXIMATE.
2. ONLY INJECTION POINTS USED FOR OCTOBER 2022 EVENT SHOWN
3. EVO = EMULSIFIED VEGETIBLE OIL
4. EHC-L = EVONIK EHC® LIQUID

0 100' 200'

GRAPHIC SCALE

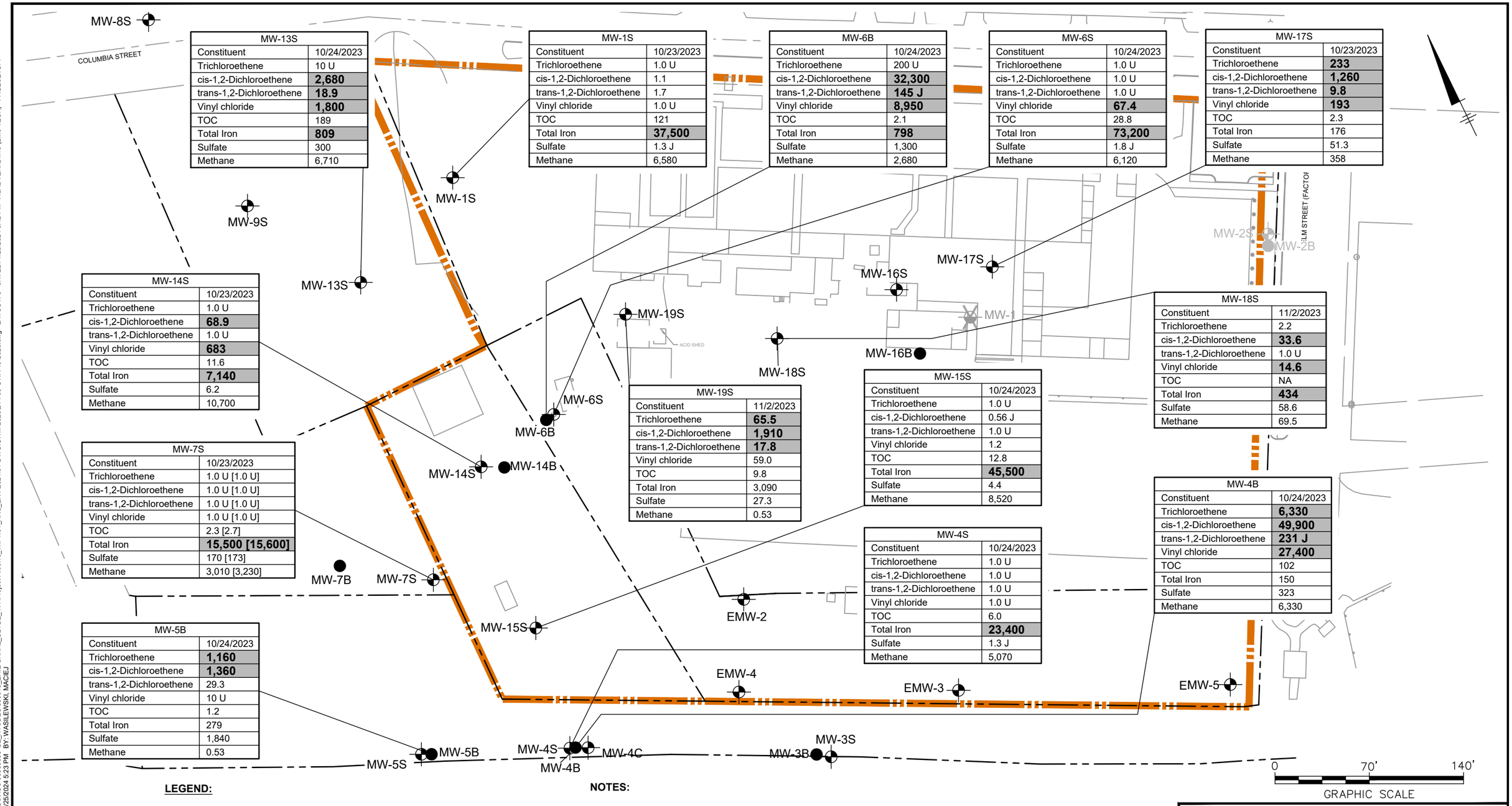
OLD ERIE CANAL - NYSDEC SITE #859015
124 COLUMBIA STREET- CLYDE, NEW YORK

FOURTH QUARTER 2023 GROUNDWATER MONITORING REPORT

SITE MAP

ARCADIS

FIGURE 2



MW-13S	
Constituent	10/24/2023
Trichloroethene	10 U
cis-1,2-Dichloroethene	**2,680**
trans-1,2-Dichloroethene	**18.9**
Vinyl chloride	**1,800**
TOC	189
Total Iron	**809**
Sulfate	300
Methane	6,710

MW-1S	
Constituent	10/23/2023
Trichloroethene	1.0 U
cis-1,2-Dichloroethene	1.1
trans-1,2-Dichloroethene	1.7
Vinyl chloride	1.0 U
TOC	121
Total Iron	**37,500**
Sulfate	1.3 J
Methane	6,580

MW-6B	
Constituent	10/24/2023
Trichloroethene	200 U
cis-1,2-Dichloroethene	**32,300**
trans-1,2-Dichloroethene	**145 J**
Vinyl chloride	**8,950**
TOC	2.1
Total Iron	**798**
Sulfate	1,300
Methane	2,680

MW-6S	
Constituent	10/24/2023
Trichloroethene	1.0 U
cis-1,2-Dichloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Vinyl chloride	**67.4**
TOC	28.8
Total Iron	**73,200**
Sulfate	1.8 J
Methane	6,120

MW-17S	
Constituent	10/23/2023
Trichloroethene	**233**
cis-1,2-Dichloroethene	**1,260**
trans-1,2-Dichloroethene	**9.8**
Vinyl chloride	**193**
TOC	2.3
Total Iron	176
Sulfate	51.3
Methane	358

MW-14S	
Constituent	10/23/2023
Trichloroethene	1.0 U
cis-1,2-Dichloroethene	**68.9**
trans-1,2-Dichloroethene	1.0 U
Vinyl chloride	**683**
TOC	11.6
Total Iron	**7,140**
Sulfate	6.2
Methane	10,700

MW-19S	
Constituent	11/2/2023
Trichloroethene	**65.5**
cis-1,2-Dichloroethene	**1,910**
trans-1,2-Dichloroethene	**17.8**
Vinyl chloride	59.0
TOC	9.8
Total Iron	3,090
Sulfate	27.3
Methane	0.53

MW-15S	
Constituent	10/24/2023
Trichloroethene	1.0 U
cis-1,2-Dichloroethene	0.56 J
trans-1,2-Dichloroethene	1.0 U
Vinyl chloride	1.2
TOC	12.8
Total Iron	**45,500**
Sulfate	4.4
Methane	8,520

MW-18S	
Constituent	11/2/2023
Trichloroethene	2.2
cis-1,2-Dichloroethene	**33.6**
trans-1,2-Dichloroethene	1.0 U
Vinyl chloride	**14.6**
TOC	NA
Total Iron	**434**
Sulfate	58.6
Methane	69.5

MW-7S	
Constituent	10/23/2023
Trichloroethene	1.0 U [1.0 U]
cis-1,2-Dichloroethene	1.0 U [1.0 U]
trans-1,2-Dichloroethene	1.0 U [1.0 U]
Vinyl chloride	1.0 U [1.0 U]
TOC	2.3 [2.7]
Total Iron	**15,500 [15,600]**
Sulfate	170 [173]
Methane	3,010 [3,230]

MW-4S	
Constituent	10/24/2023
Trichloroethene	1.0 U
cis-1,2-Dichloroethene	1.0 U
trans-1,2-Dichloroethene	1.0 U
Vinyl chloride	1.0 U
TOC	6.0
Total Iron	**23,400**
Sulfate	1.3 J
Methane	5,070

MW-4B	
Constituent	10/24/2023
Trichloroethene	**6,330**
cis-1,2-Dichloroethene	**49,900**
trans-1,2-Dichloroethene	**231 J**
Vinyl chloride	**27,400**
TOC	102
Total Iron	150
Sulfate	323
Methane	6,330

MW-5B	
Constituent	10/24/2023
Trichloroethene	**1,160**
cis-1,2-Dichloroethene	**1,360**
trans-1,2-Dichloroethene	29.3
Vinyl chloride	10 U
TOC	1.2
Total Iron	279
Sulfate	1,840
Methane	0.53

LEGEND:

- SITE BOUNDARY
- MW-3S — OVERBURDEN MONITORING WELL
- MW-3B — BEDROCK MONITORING WELL
- MW-1 — WELL DESTROYED

Groundwater Standards	
Constituent	(µg/l)
Trichloroethene	5
cis-1,2-Dichloroethene	5
trans-1,2-Dichloroethene	5
Vinyl chloride	2
TOC	--
Total Iron	300
Sulfate	--
Methane	--

NOTES:

1. VOLATILE ORGANIC COMPOUND AND TOTAL IRON RESULTS ARE REPORTED IN MICRO GRAMS PER LITER (µg/L)
2. METHANE AND GENERAL CHEMISTRY RESULTS ARE REPORTED IN MILLIGRAMS PER LITER (mg/L)
3. BOLD/SHADING- EXCEEDS APPLICABLE TOGS 1.1.1 VALUE.
4. BOLD/SHADED VALUES REPRESENT EXCEEDANCES OF NYSDEC TECHNICAL AND OPERATIONAL GUIDANCE SERIES 1.1.1: CLASS GA AMBIENT WATER QUALITY STANDARDS AND GUIDANCE VALUES AND GROUNDWATER EFFLUENT LIMITATIONS"
5. TOC = TOTAL ORGANIC CARBON
6. U = THE COMPOUND WAS ANALYZED FOR BUT NOT DETECTED. THE ASSOCIATED VALUE IS THE COMPOUND QUANTITATION LIMIT.
7. J = INDICATES AN ESTIMATED VALUE.

OLD ERIE CANAL - NYSDEC SITE #859015
124 COLUMBIA STREET- CLYDE, NEW YORK

FOURTH QUARTER 2023 GROUNDWATER MONITORING REPORT

GROUNDWATER ANALYTICAL DATA OCTOBER 2023

ARCADIS

FIGURE 3

Attachment 1

Groundwater Sampling Logs

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 Well ID MW-1S Date 10/23/23

Project Name/Location Old Erie Canal Site / Clyde, NY Weather 53°F, overcast

Measuring Pt. Description TOC Screen Setting (ft-bmp) 2.3-7.3' Casing Diameter (in.) 2" Well Material X PVC ___ SS

Static Water Level (ft-bmp) 3.82 Total Depth (ft-bmp) 6.87 Water Column/ Gallons in Well 3.05' / 0.49

MP Elevation — NA Pump Intake (ft-bmp) ~6.0' Purge Method: Low Flow Centrifugal Submersible Other Peri Pump Sample Method Peri Pump

Pump On/Off 1210 / 1340 Volumes Purged 1.75gal

Label Time: 1315 Duplicate Y / (N)
Start Filling: 1315 MS/MSD Y / (N)
End Filling: 1340 QA/QC Code: — NA

Sampled by BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1210	Pump on		3.82									
1220	10	110	4.80		6.99	2.01	over	7.5	16.0	-24.4	gray	slight
1225	15	120	4.87	0.5	6.96	2.22	over	3.5	16.1	-29.3	↓	
1230	20	120	4.99		6.96	2.70	93.9	2.4	16.1	-42.8		
1235	25	110	5.12	0.75	6.93	2.99	77.9	2.3	16.3	-47.4		
1240	30	110	5.15		6.94	3.21	67.1	1.9	16.3	-49.5	cloudy	
1245	35	110	5.15	1.0	6.87	3.78	42.3	1.7	16.0	-52.7		
1250	40	100	5.15		6.89	3.97	30.0	1.6	16.0	-57.4		
1255	45	100	5.15	1.25	6.92	4.01	26.6	1.6	16.2	-58.7		
1300	50	100	5.18		6.93	4.06	22.9	1.6	16.0	-58.8		
1305	55	100	5.18	1.5	6.92	4.10	21.1	1.6	15.9	-60.7		
1310	60	100	5.18		6.93	4.12	20.8	1.6	16.1	-61.3		
1315	65	SAMPLED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information FF = Field Filtered

Well Location: Gravel parking area Well Locked at Arrival: Yes / (No)

Condition of Well: Fair Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up Key Number To Well: —

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 Well ID MW-4B Date 10/24/23

Project Name/Location Old Erie Canal Site / Clyde, NY Weather 60°F, Sun

Measuring Pt. Description TOC Screen Setting (ft-bmp) 29.8-39.8' Casing Diameter (in.) 2" Well Material X PVC ___ SS

Static Water Level (ft-bmp) 5.22' Total Depth (ft-bmp) 38.56' Water Column/ Gallons in Well 33.34' / 5.33

MP Elevation NA Pump Intake (ft-bmp) ~34' Purge Method: Low Flow ___ Centrifugal ___ Submersible Other Peri Pump Sample Method Peri Pump

Pump On/Off 1410 / 1510 Volumes Purged ~1.75 gal

Label Time: 1450 Duplicate Y / (N)
Start Filling: 1448 MS/MSD Y / (N)
End Filling: 1510 QA/QC Code: NA Sampled by BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1410	Pump On		5.22									
1415	5	200	5.95								Black	strong
1420	10	200	6.08	0.5	6.67	4.18	3.38	1.6	14.2	-367.0	clear w/ black specks	
1425	15	180	6.05		6.68	4.17	2.85	0.5	14.6	-353.8	↓	
1430	20	180	6.05		6.65	4.13	3.18	0.2	14.3	-348.2		
1435	25	180	6.05	1.0	6.65	3.99	3.44	0.2	14.4	-344.7	↓	
1440	30	180	6.05	~~1.0~~ 2	6.61	3.89	1.52	0.2	14.3	-341.5	clear	
1445	35	180	6.05	1.5	6.61	3.88	0.82	0.1	14.3	-340.6	clear	↓
1450	40	SAMPLED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information FF = Field Filtered

Well Location: South grass area Well Locked at Arrival: (Yes) / No

Condition of Well: Fair Well Locked at Departure: (Yes) / No

Well Completion: (Flush Mount) / Stick Up Key Number To Well: ~~Combination~~ NA

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 | Well ID MW-45 | Date 10/24/23

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather 58°F, Sun

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 10.3-20.3' | Casing Diameter (in.): 2" | Well Material: X PVC / ___ SS

Static Water Level (ft-bmp): 4.68 | Total Depth (ft-bmp): 19.60' | Water Column/Gallons in Well: 14.92' / 2.39

MP Elevation: na | Pump Intake (ft-bmp): ~16' | Purge Method: Low Flow; Centrifugal; Submersible; Other: Peri Pump | Sample Method: Peri Pump

Pump On/Off: 1230 / 1410 | Volumes Purged: ~3.5 gal

Label Time: 1355 | Duplicate Y / (N)

Start Filling: 1352 | MS/MSD Y / (N)

End Filling: 1410 | QA/QC Code: NA | Sampled by: BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
1230	Pump on		4.68									
1235	5	190	4.75		7.23	3.19	3.07	0.6	15.3	342.9	clear	slight
1240	10	190	4.75		7.24	3.22	4.66	0.5	15.4	298.4		
1245	15	190	4.75	0.5	7.25	3.26	6.39	0.5	15.2	276.2		
1250	20	190	4.75		7.29	3.29	5.96	0.4	15.4	248.4		
1255	25	190	4.75	1.0	7.21	3.34	5.94	0.4	15.3	222.7		
1300	30	190	4.75		7.26	3.38	5.60	0.4	15.2	207.0		
1305	35	190	4.75	1.5	7.20	3.48	4.56	0.5	15.0	163.2		
1310	40	190	4.75		7.24	3.50	3.98	0.5	15.0	151.7		
1315	45	190	4.75		7.19	3.52	3.33	0.4	15.1	128.0		
1320	50	190	4.75	2.0	7.16	3.60	2.55	0.1	15.1	95.7		
1325	55	190	4.75		7.15	3.63	2.55	0.1	15.2	68.0		
1330	60	190	4.75	2.5	7.16	3.67	2.54	0.1	15.1	27.7		
1335	65	190	4.75		7.15	3.68	1.89	0.1	15.1	16.0		
1340	70	190	4.75	3.0	7.14	3.72	1.26	0.1	15.1	-5.5		
1345	75	190	4.75		7.15	3.71	1.35	0.1	15.2	1.0		

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

FF = Field Filtered

Well Location: South grass area | Well Locked at Arrival: (Yes) / No

Condition of Well: Fair | Well Locked at Departure: (Yes) / No

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: ~~Master~~ NA

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 Well ID MW-45 Date 10/24/23

Project Name/Location Old Erie Canal Site / Clyde, NY Weather

Measuring Pt. Description | Screen Setting (ft-bmp) | Casing Diameter (in.) | Well Material ___ PVC ___ SS

Static Water Level (ft-bmp) | Total Depth (ft-bmp) | Water Column/ Gallons in Well

MP Elevation | Pump Intake (ft-bmp) | Purge Method: Low Flow / Centrifugal / Submersible / Other Peri Pump | Sample Method Peri Pump

Pump On/Off | Volumes Purged

Label Time: | Duplicate Y / N

Start Filling: | MS/MSD Y / N

End Filling: | QA/QC Code:

See Page 1

Sampled by

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
1350	80	190	4.75	3.5	7.10	3.73	1.57	0.2	15.3	-0.8	clear	slight
1355	85	SAMPLED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full		HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full		HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml		HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml		None
Sulfide	2 x 250 ml HDPE	200 ml/bottle		NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml		HNO3
TOC	1 x 60 ml glass	full		HCL

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

FF = Field Filtered

Well Information

Well Location: Well Locked at Arrival: Yes / No

Condition of Well: Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up Key Number To Well:

See page 1

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 Well ID MW-5B Date 10/24/23

Project Name/Location Old Erie Canal Site / Clyde, NY Weather 55°F, Sun

Measuring Pt. Description TOC Screen Setting (ft-bmp) 29.3-39.3' Casing Diameter (in.) 2" Well Material X PVC ___ SS

Static Water Level (ft-bmp) 5.20' Total Depth (ft-bmp) 38.99' Water Column/ Gallons in Well 33.79/5.41

MP Elevation na Pump Intake (ft-bmp) ~36' Purge Method: Low Flow Centrifugal ___ Submersible ___ Other Peri Pump Sample Method Peri Pump

Pump On/Off 1010/1215 Volumes Purged ~2.25

Label Time: 1155 Duplicate Y / (N)

Start Filling: 1150 MS/MSD Y / (N)

End Filling: 1215 QA/QC Code: — NA Sampled by BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1010	Pump On		5.20									
1015	5	140	6.45		7.28	2.94	1.82	0.6	13.3	482.2	clear	none
1020	10	140	7.66		7.26	2.91	3.01	0.4	13.5	620.2		
1025	15	100	8.47	0.5	7.24	2.92	1.77	0.4	13.6	673.8		
1030	20	100	8.90		7.29	2.92	1.55	0.3	13.8	691.1		
1035	25	100	9.73		7.26	2.93	2.20	0.3	14.2	727.7		
1040	30	100	10.57	0.75	7.22	2.93	2.01	0.3	13.6	741.3		
1045	35	100	11.12		7.20	2.93	2.02	0.3	13.5	747.8		
1050	40	100	12.00		7.21	2.93	1.67	0.3	13.6	769.4		
1055	45	100	12.60	1.0	7.22	2.91	1.64	0.3	14.4	788.9		
1100	50	100	13.24		7.14	2.93	1.98	0.3	14.5	807.5		
1105	55	100	14.05		7.14	2.93	1.66	0.3	14.6	838.0		
1110	60	100	14.63	1.25	7.17	2.93	2.14	0.3	14.5	852.8		
1115	65	100	15.44		7.16	2.93	3.40	0.3	14.5	876.9		
1120	70	100	16.17		7.19	2.93	3.28	0.3	14.2	887.6		
1125	75	100	16.95	1.5	7.12	2.93	3.15	0.3	14.2	909.8	↓	↓

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information FF = Field Filtered

Well Location: Southern Grass area Well Locked at Arrival: (Yes) / No

Condition of Well: Fair Well Locked at Departure: (Yes) / No

Well Completion: (Flush Mount) / Stick Up Key Number To Well: NA

ARCADIS

GROUNDWATER SAMPLING LOG

Project No: 30147041.00004 | Well ID: MW-5B | Date: 10/24/23

Project Name/Location: Old Erie Canal Site / Clyde, NY | Weather:

Measuring Pt. Description: | Screen Setting (ft-bmp): | Casing Diameter (in.): | Well Material: ___ PVC ___ SS

Static Water Level (ft-bmp): | Total Depth (ft-bmp): | Water Column/ Gallons in Well:

MP Elevation: | Pump Intake (ft-bmp): | Purge Method: Low Flow / Centrifugal / Submersible / Other Peri Pump | Sample Method: Peri Pump

Pump On/Off: | Volumes Purged:

Label Time: | Duplicate Y / N

Start Filling: | MS/MSD Y / N

End Filling: | QA/QC Code: | Sampled by:

see Page 1

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1130	80	100	17.87		7.15	2.93	3.06	0.3	14.6	928.5	clear	none
1135	85	100	18.58	1.75	7.14	2.93	3.52	0.4	14.4	935.6	↓	↓
1140	90	100	19.20		7.14	2.93	4.12	0.3	14.3	950.2		
1145	95	100	19.55		7.14	2.93	4.07	0.3	14.4	954.8		
1150	100	100	20.86	2.0	7.15	2.93	3.97	0.3	14.5	959.2		
1155	105	SAMPED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full		HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full		HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml		HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml		None
Sulfide	2 x 250 ml HDPE	200 ml/bottle		NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml		HNO3
TOC	1 x 60 ml glass	full		HCL

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

Well Information

FF = Field Filtered

Well Location: | Well Locked at Arrival: Yes / No

Condition of Well: | Well Locked at Departure: Yes / No

Well Completion: Flush Mount / Stick Up | Key Number To Well:

see Page 1

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 Well ID MW-6B Date 10/24/2023

Project Name/Location Old Erie Canal Site / Clyde, NY Weather Sunny, 48°

Measuring Pt. Description TOC Screen Setting (ft-bmp) 29.4-39.4 Casing Diameter (in.) 2 Well Material X PVC ___ SS

Static Water Level (ft-bmp) 6.22 Total Depth (ft-bmp) 39.24 Water Column/ Gallons in Well 33.02 / 5.38

MP Elevation NA Pump Intake (ft-bmp) ~37 Purge Method: Low Flow / Centrifugal / Submersible / Other Peri Pump Sample Method Peri Pump

Pump On/Off 1010 / 1145 Volumes Purged 3.5

Label Time: 1125 Duplicate Y / (N)

Start Filling: 1125 MS/MSD Y / (N)

End Filling: 1145 QA/QC Code: NA Sampled by ICCF

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1025	15	150	6.79	0.5	7.10	9.281	12.43	3.1	15.4	-144.3	black susp. particles	~~none~~ slight
1030	20	150	7.11		7.04	7.663	10.35	2.2	15.5	-142.9	"	"
1035	25	150	7.02	1.0	7.01	6.083	13.41	1.7	15.2	-187.8	"	"
1040	30	150	7.02		7.01	4.751	11.22	1.0	15.2	-260.9	"	"
1045	35	150	7.02	1.5	6.97	4.288	4.42	0.8	15.4	-276.4	"	"
1050	40	150	7.02		6.96	3.767	4.22	0.6	15.5	-283.9	clear	"
1055	45	150	7.02	2.0	6.91	3.514	3.79	0.5	15.7	-292.2	"	"
1100	50	150	7.02		6.89	3.421	3.83	0.5	15.8	-299.6	"	"
1105	55	150	7.02	2.5	6.88	3.341	3.45	0.4	15.7	-308.3	"	"
1110	60	150	7.02		6.87	3.286	3.25	0.3	15.9	-313.9	"	"
1115	65	150	7.02	3.0	6.87	3.247	3.78	0.2	15.9	-316.2	"	"
1120	70	150	7.02		6.86	3.314	4.07	0.2	15.9	-315.7	"	"
1125	75	SAMPLE										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot 1" = 0.04 1.25" = 0.06 1.5" = 0.09 2" = 0.16 2.5" = 0.26 3" = 0.37 3.5" = 0.50 4" = 0.65 6" = 1.47

Well Information FF = Field Filtered

Well Location: Driveway Well Locked at Arrival: Yes / (No)

Condition of Well: Good Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up Key Number To Well: NA

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041 00004 | Well ID MW-6S | Date 10/24/2023

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather Sunny, 46°

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 5-15' | Casing Diameter (in.): 2 | Well Material: X PVC, ___ SS

Static Water Level (ft-bmp): 4.38 | Total Depth (ft-bmp): 14.31 | Water Column/ Gallons in Well: 9.93 / 1.61

MP Elevation: NA | Pump Intake (ft-bmp): ~14 | Purge Method: Low Flow; Centrifugal; Submersible; Other: Peri Pump | Sample Method: Peri Pump

Pump On/Off: 0825/0950 | Volumes Purged: 3.0

Label Time: 0935 | Duplicate Y / (N)

Start Filling: 0935 | MS/MSD Y / (N)

End Filling: 0950 | QA/QC Code: NA | Sampled by: KCF

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
0835	10	130	5.15	0.5	6.49	6.26	-35	0.9	17.7	-127.2	black susp. particles	none
0840	15	130	5.69		6.45	5.13	15.7	0.4	17.8	-119.1	clear	"
0845	20	130	5.93		6.40	4.58	20.7	0.3	17.8	-112.4	"	"
0850	25	130	6.18	1.0	6.42	4.80	20.8	0.2	18.0	-113.0	"	"
0855	30	130	6.41		6.43	5.49	20.6	0.2	18.0	-117.8	"	"
0900	35	130	6.83		6.44	5.67	20.3	0.2	18.0	-119.6	"	"
0905	40	130	6.81	1.5	6.45	6.03	19.8	0.2	18.0	-122.1	"	"
0910	45	130	7.04		6.45	6.37	19.3	0.1	18.0	-124.7	"	"
0915	50	130	7.21		6.46	6.57	19.4	0.1	18.0	-126.5	"	"
0920	55	130	7.43	2.0	6.45	5.915	19.8	0.1	18.0	-127.6	"	"
0925	60	130	7.46		6.47	5.956	19.2	0.1	18.1	-129.3	"	"
0930	65	130	7.46		6.47	5.984	19.6	0.1	18.1	-129.7	"	"
0935	70	SAMPLE										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

FF = Field Filtered

Well Location: Driveway | Well Locked at Arrival: Yes / (No)

Condition of Well: Good | Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: NA

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041.00004 | Well ID MW-75 | Date 10/23/2023

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather Partly cloudy,

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 6.5-16.5 | Casing Diameter (in.): 2 | Well Material: X PVC / SS

Static Water Level (ft-bmp): 8.62 | Total Depth (ft-bmp): 18.13 | Water Column/ Gallons in Well: 9.51 / 1.55

MP Elevation: NA | Pump Intake (ft-bmp): ~11' | Purge Method: Low Flow / Centrifugal / Submersible / Other Peri Pump | Sample Method: Peri Pump

Pump On/Off: 1040 / 1255 | Volumes Purged: 3.0

Label Time: 1135
Start Filling: 1135
End Filling: 1245

Duplicate (Y)/ N
MS/MSD (Y)/ N
QA/QC Code: ms + msd

Sampled by KCF

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1100	20	150	8.61	1.0	6.97	1.67	6.88	1.0	13.5	-132.0	clear	none
1105	25	150	8.61		6.98	1.72	3.83	0.8	13.7	-131.9	"	"
1110	30	150	8.61	1.5	6.97	1.75	2.52	0.7	13.4	-131.2	"	"
1115	35	150	8.61		6.96	1.77	2.37	0.5	13.4	-131.1	"	"
1120	40	150	8.61	2.0	6.96	1.80	2.22	0.4	13.4	-130.6	"	"
1125	45	150	8.61		6.96	1.82	1.77	0.3	13.4	-130.3	"	"
1130	50	150	8.61	2.5	6.94	1.85	1.23	0.2	13.5	-130.0	"	"
1135	55	SAMPLE										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	12	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	12	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	4	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	4	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	8	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	4	HNO3
TOC	1 x 60 ml glass	full	4	HCL

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

Well Information

FF = Field Filtered

Well Location: Grass area
Condition of Well: Good
Well Completion: Flush Mount / (Stick Up)

Well Locked at Arrival: (Yes) / No
Well Locked at Departure: (Yes) / No
Key Number To Well: 27676

ARCADIS

GROUNDWATER SAMPLING LOG

Project No. 30147041 00004 | Well ID MW-135 | Date 10/24/2023

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather Sunny, 52

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 16.4-21.4 | Casing Diameter (in.): 2 | Well Material: X PVC ___ SS

Static Water Level (ft-bmp): 3.02 | Total Depth (ft-bmp): 18.70 | Water Column/ Gallons in Well: 15.68 / 2.55

MP Elevation: NA | Pump Intake (ft-bmp): ~16.5 | Purge Method: Low Flow / Centrifugal / Submersible / Other Peri Pump | Sample Method: Peri Pump

Pump On/Off: 1215 / 1320 | Volumes Purged: 2.5

Label Time: 1300 | Duplicate Y / (N)

Start Filling: 1300 | MS/MSD Y / (N)

End Filling: 1320 | QA/QC Code: NA | Sampled by: KCF

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1225	10	150	3.15	0.5	6.75	2.261	4.82	1.2	13.7	-343.1	clear	slight
1230	15	150	3.15		6.90	2.261	4.78	0.5	13.4	-258.2	"	"
1235	20	150	3.15	1.0	6.87	2.284	4.23	0.4	13.4	-354.2	"	"
1240	25	150	3.15		6.85	2.298	3.72	0.3	13.4	-348.3	"	"
1245	30	150	3.15	1.5	6.83	2.319	3.43	0.3	13.6	-342.3	"	"
1250	35	150	3.15		6.81	2.329	2.15	0.2	13.7	-339.1	"	"
1255	40	150	3.15	2.0	6.79	2.333	2.52	0.2	13.6	-337.6	"	"
1300	SAMPLE											

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full		HCL

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

FF = Field Filtered

Well Location: wetland area | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: Flush Mount / (Stick Up) | Key Number To Well: American # 27676

ARCADIS

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. 30147041 00004 | Well ID MW-14S | Date 10/23/23

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather 55°F, Sun

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 16.4-21.4' | Casing Diameter (in.): 2" | Well Material: X PVC ___ SS

Static Water Level (ft-bmp): 2.85' | Total Depth (ft-bmp): 23.47' | Water Column/Gallons in Well: 20.62' / 3.30

MP Elevation: NA | Pump Intake (ft-bmp): ~20.0' | Purge Method: Low Flow | Sample Method: Peri Pump

Pump On/Off: 1355/1520 | Volumes Purged: 2.5 gal | Centrifugal / Submersible / Other: Peri Pump

Label Time: 1500 | Duplicate Y / (N)

Start Filling: 1458 | MS/MSD Y / (N)

End Filling: 1518 | QA/QC Code: NA | Sampled by: BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1355	Pump	on	2.85									
1400	5	170	3.15		6.97	3.12	6.97	0.5	13.5	19.0	clear	~~none~~ slight odor
1405	10	170	3.32		6.97	3.10	4.53	0.8	13.7	13.8		slight
1410	15	170	3.38	0.5	6.97	3.10	2.08	0.8	13.5	20.6		
1415	20	200	3.38		6.94	3.13	1.73	0.8	12.9	71.9		
1420	25	200	3.38	0.75	6.88	3.13	2.29	0.7	12.9	80.4		
1425	30	200	3.46		6.85	3.13	1.23	0.7	13.2	104.0		
1430	35	200	3.40	1.0	6.84	3.15	2.24	0.7	13.3	155.7		
1435	40	200	3.40		6.83	3.18	1.07	0.2	13.1	197.4		
1440	45	200	3.40	1.5	6.82	3.16	2.24	0.2	13.1	231.3		
1445	50	200	3.40		6.82	3.14	2.49	0.2	13.1	261.2		
1450	55	200	3.40	2.0	6.82	3.13	1.39	0.2	13.1	256.3		
1455	60	200	3.40		6.82	3.13	1.37	0.2	13.0	155.7		
1500	65	SAMPLED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

Well Information FF = Field Filtered

Well Location: Wetland | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: Flush Mount / (Stick Up) | Key Number To Well: American #2767G

ARCADIS

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No. 30147041.00004 | Well ID MW-15S | Date 10/24/23

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather 50°F, Sun

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 7.7-12.7' | Casing Diameter (in.): 2" | Well Material: X PVC / ___ SS

Static Water Level (ft-bmp): 1.72' | Total Depth (ft-bmp): 14.53' | Water Column/ Gallons in Well: 12.81' / 2.05

MP Elevation: NA | Pump Intake (ft-bmp): ~13.5' | Purge Method: Low Flow; Centrifugal; Submersible; Other: Peri Pump | Sample Method: Peri Pump

Pump On/Off: ~~0855~~/0955 | Volumes Purged: 2.25gal

Label Time: 0940/~~0955~~ BKW | Duplicate Y / (N)

Start Filling: 0938 | MS/MSD Y / (N)

End Filling: 0955 | QA/QC Code: ~~—~~ ND | Sampled by: BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance: Color	Appearance: Odor
0855	Pump	On	1.72									
0900	5	200	1.80		6.78	4.70	12.8	6.5	11.9	-67.2	clear	~~slight~~
0905	10	200	1.80	0.5	6.73	4.65	9.7	2.0	11.9	-60.4		
0910	15	200	1.80	~~0.5~~ 1.0	6.70	4.63	6.64	1.6	12.1	-56.3		
0915	20	200	1.80	1.0	6.68	4.64	6.51	1.4	12.0	-51.8		
0920	25	200	1.80		6.68	4.62	5.99	1.2	12.0	-48.7		
0925	30	200	1.80	1.5	6.66	4.61	3.57	1.5	12.2	-47.4		
0930	35	200	1.80		6.63	4.59	3.58	1.5	12.2	-46.6		
0935	40	200	1.80		6.61	4.59	3.72	1.5	12.2	-43.6		
0940	45	SAMPLED										

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information

FF = Field Filtered

Well Location: Wetland | Well Locked at Arrival: (Yes) / No

Condition of Well: Good | Well Locked at Departure: (Yes) / No

Well Completion: Flush Mount / (Stick Up) | Key Number To Well: American #2776

GROUNDWATER SAMPLING LOG

Project No: 30147041.00004 | Well ID: MW-175 | Page 1 of 1

Project Name/Location: Old Erie Canal Site / Clyde, NY | Date: 10/23/2023

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 4.6-9.6 | Casing Diameter (in.): 2 | Weather: Partly cloudy, 58°

Static Water Level (ft-bmp): 3.68 | Total Depth (ft-bmp): 8.07 | Water Column/ Gallons in Well: 4.39 / 0.71 | Well Material: X PVC, ___ SS

MP Elevation: NA | Pump Intake (ft-bmp): ~8 | Purge Method: Low Flow

Pump On/Off: 1345/1435 | Volumes Purged: 1.2 | Centrifugal / Submersible / Other: Peri Pump | Sample Method: Peri Pump

Label Time: 1420 | Duplicate Y / (N)

Start Filling: 1420 | MS/MSD Y / (N)

End Filling: 1435 | QA/QC Code: NA | Sampled by: KCF

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance	
											Color	Odor
1355	10	150	3.71	0.5	6.82	2.08	15.1	0.9	20.4	-60.3	clear	none
1400	15	150	3.71		6.73	1.94	4.84	0.4	20.4	-29.8	"	"
1405	20	150	3.71	1.0	6.72	1.89	2.61	0.3	20.5	-16.0	"	"
1410	25	150	3.71		6.74	1.89	2.52	0.2	20.5	-15.9	"	"
1415	30	150	3.71	1.5	6.75	1.90	2.23	0.2	20.5	-24.1	"	"
1420	35	150	SAMPLE									

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot					
	1" = 0.04	1.5" = 0.09	2.5" = 0.26	3.5" = 0.50	6" = 1.47
	1.25" = 0.06	2" = 0.16	3" = 0.37	4" = 0.65	

Well Information

FF = Field Filtered

Well Location: Inside building behind vending machines | Well Locked at Arrival: Yes / (No)

Condition of Well: Good | Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: NA

ARCADIS

GROUNDWATER SAMPLING LOG

Page 1 of 1

Project No 30147041.00004 | Well ID MW-18S | Date 10/23/23

Project Name/Location Old Erie Canal Site / Clyde, NY | Weather 50°F, Sun

Measuring Pt Description TOC | Screen Setting (ft-bmp) 3-8' | Casing Diameter (in) 2 | Well Material X PVC ___ SS

Static Water Level (ft-bmp) 3.89' | Total Depth (ft-bmp) 7.29' | Water Column/ Gallons in Well 0.54

MP Elevation — NA | Pump Intake (ft-bmp) ~7' | Purge Method: Low Flow | Sample Method Peri Pump

Pump On/Off 1030/— | Volumes Purged 1/Dry | Centrifugal / Submersible / Other Peri Pump

11/2/23 Label Time: 1100 | Duplicate Y / (N)

Start Filling: 1100 | MS/MSD Y / (N) | Sampled by BKW

End Filling: 1110 | QA/QC Code: — NA

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft. bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1030	Pump	on	3.89	—								
1035	5	100	4.85		7.52	3.35	5.51	1.8	17.3	534.1	clear	none
1040	10	100	5.17		7.50	3.35	5.03	1.7	17.3	567.8	↓	↓
1045	15	100	5.77		7.49	3.34	4.53	1.6	17.6	504.5		
1050	20	100	6.41	0.5	7.38	3.35	3.37	1.9	17.7	457.8		
1055	25	100	DRY	—								

11/2 — DTW = 5.65 => 7.29 - 5.65 = 1.64 * 0.16 = 0.26 gal = 984 mL

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	2	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	2	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	0	HCL

Gallons/Foot: 1" = 0.04; 1.25" = 0.06; 1.5" = 0.09; 2" = 0.16; 2.5" = 0.26; 3" = 0.37; 3.5" = 0.50; 4" = 0.65; 6" = 1.47

Well Information FF = Field Filtered

Well Location: Parking lot | Well Locked at Arrival: Yes / (No)

Condition of Well: good | Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: —

ARCADIS

GROUNDWATER SAMPLING LOG

Project No: 30147041 00004 | Well ID: MW-19S | Date: 10/23/23

Project Name/Location: Old Erie Canal Site / Clyde, NY | Weather: 52°F / Sun

Measuring Pt. Description: TOC | Screen Setting (ft-bmp): 3.5-8.5' | Casing Diameter (in.): 2" | Well Material: X PVC ___ SS

Static Water Level (ft-bmp): 3.62 | Total Depth (ft-bmp): 8.05 | Water Column/ Gallons in Well: 4.43' / 0.71

MP Elevation: — NA | Pump Intake (ft-bmp): ~7.5' | Purge Method: Low Flow | Sample Method: Peri Pump

Pump On/Off: 1110/1144 | Volumes Purged: 111 | Centrifugal / Submersible / Other: Peri Pump

11/2/23 Label Time: 1030 | Duplicate Y / (N)

Start Filling: 1030 | MS/MSD Y / (N)

End Filling: 1040 | QA/QC Code: — NA | Sampled by: BKW

Time	Minutes Elapsed	Rate (mL/min)	Depth to Water (ft bmp)	Gallons Purged	pH	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)	Temp. (°C)	Redox (mV)	Appearance Color	Appearance Odor
1110	Pump on		3.62	—								
1115	5	100	4.79		7.01	3.63	5.97	0.4	16.4	400.1	clear	none
1120	10	100	5.13		7.01	3.63	5.61	0.7	16.4	428.7	↓	↓
1125	15	100	5.72		7.00	3.64	5.36	0.4	16.5	453.5		
1130	20	100	6.20	0.5	7.01	3.55	4.29	0.4	16.4	125.1		
1135	25	100	6.81		7.01	3.57	3.15	0.4	16.6	89.2		
1140	30	100	7.29	0.75	7.02	3.58	4.80	0.3	16.6	111.5		
1144	34	DRY	—									
10/24 Depth to water:			7.45									
10/25 Depth to water:			7.20									
11/2 DTW = 5.16 => 8.05 - 5.16 = 2.89 = 0.47 gal = 1779 mL												

Constituents Sampled	Container	Min Vol.	Number	Preservative
V8260TCL20 - VOCs	3 x 40 ml glass	full	3	HCL
VRSK175DGMEE - Dissolved Gasses	3 x 40 ml glass	full	3	HCL
TOT MET [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
SO4 - Sulfate	1 x 250 ml HDPE	250 ml	1	None
Sulfide	2 x 250 ml HDPE	200 ml/bottle	2	NaOH + ZnAc
DISS MET [FF] [Fe, Mn]	1 x 500 ml HDPE	150 ml	1	HNO3
TOC	1 x 60 ml glass	full	1	HCL

Gallons/Foot: 1" = 0.04 | 1.25" = 0.06 | 1.5" = 0.09 | 2" = 0.16 | 2.5" = 0.26 | 3" = 0.37 | 3.5" = 0.50 | 4" = 0.65 | 6" = 1.47

FF = Field Filtered

Well Information

Well Location: Parking Lot | Well Locked at Arrival: Yes / (No)

Condition of Well: Good | Well Locked at Departure: Yes / (No)

Well Completion: (Flush Mount) / Stick Up | Key Number To Well: —

Attachment 2

Groundwater Laboratory Results

Sample Summary

Arcadis

Job No: JD75497

Old Erie Canal Site, 124 Columbia Street, Clyde, NY
Project No: 3147041.4

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD75497-1	10/23/23	11:35	KF	10/26/23	AQ	Ground Water	MW-7S
JD75497-1D	10/23/23	11:35	KF	10/26/23	AQ	Water Dup/MSD	MW-7S
JD75497-1F	10/23/23	11:35	KF	10/26/23	AQ	Groundwater Filtered	MW-7S
JD75497-1FD	10/23/23	11:35	KF	10/26/23	AQ	Water Dup/MSD	MW-7S
JD75497-1FS	10/23/23	11:35	KF	10/26/23	AQ	Water Matrix Spike	MW-7S
JD75497-1S	10/23/23	11:35	KF	10/26/23	AQ	Water Matrix Spike	MW-7S
JD75497-2	10/23/23	00:00	KF	10/26/23	AQ	Ground Water	DUP-20231023
JD75497-2F	10/23/23	00:00	KF	10/26/23	AQ	Groundwater Filtered	DUP-20231023
JD75497-3	10/23/23	14:20	KF	10/26/23	AQ	Ground Water	MW-17S
JD75497-3F	10/23/23	14:20	KF	10/26/23	AQ	Groundwater Filtered	MW-17S
JD75497-4	10/23/23	13:15	KF	10/26/23	AQ	Ground Water	MW-1S

This report contains results reported as ND = Not detected. The following applies:
Organics ND = Not detected above the MDL
Metals ND = Not detected above the MDL
General Chemistry ND = Not detected above the MDL

Sample Summary
(continued)

Arcadis

Job No: JD75497

Old Erie Canal Site, 124 Columbia Street, Clyde, NY
Project No: 3147041.4

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD75497-4F	10/23/23	13:15	KF	10/26/23	AQ	Groundwater Filtered	MW-1S
JD75497-5	10/23/23	15:00	KF	10/26/23	AQ	Ground Water	MW-14S
JD75497-5F	10/23/23	15:00	KF	10/26/23	AQ	Groundwater Filtered	MW-14S
JD75497-6	10/24/23	09:35	KF	10/26/23	AQ	Ground Water	MW-6S
JD75497-6F	10/24/23	09:35	KF	10/26/23	AQ	Groundwater Filtered	MW-6S
JD75497-7	10/24/23	11:25	KF	10/26/23	AQ	Ground Water	MW-6B
JD75497-7F	10/24/23	11:25	KF	10/26/23	AQ	Groundwater Filtered	MW-6B
JD75497-8	10/24/23	09:40	KF	10/26/23	AQ	Ground Water	MW-15S
JD75497-8F	10/24/23	09:40	KF	10/26/23	AQ	Groundwater Filtered	MW-15S
JD75497-9	10/24/23	13:55	KF	10/26/23	AQ	Ground Water	MW-4S
JD75497-9F	10/24/23	13:55	KF	10/26/23	AQ	Groundwater Filtered	MW-4S
JD75497-10	10/24/23	14:50	KF	10/26/23	AQ	Ground Water	MW-4B
JD75497-10F	10/24/23	14:50	KF	10/26/23	AQ	Groundwater Filtered	MW-4B

Sample Summary
(continued)

Arcadis

Job No: JD75497

Old Erie Canal Site, 124 Columbia Street, Clyde, NY
Project No: 3147041.4

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JD75497-11	10/24/23	11:55	KF	10/26/23	AQ	Ground Water	MW-5B
JD75497-11F	10/24/23	11:55	KF	10/26/23	AQ	Groundwater Filtered	MW-5B
JD75497-12	10/24/23	13:00	KF	10/26/23	AQ	Ground Water	MW-13S
JD75497-12F	10/24/23	13:00	KF	10/26/23	AQ	Groundwater Filtered	MW-13S
JD75497-13	10/24/23	14:50	KF	10/26/23	AQ	Trip Blank Water	TB-01-20231025
JD75497-14	10/24/23	14:50	KF	10/26/23	AQ	Trip Blank Water	TB-02-20231025

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J6769.D	1	10/27/23 23:47	ED	n/a	n/a	V2J223
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	108%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104681.D	1	10/30/23 15:38	JL	n/a	n/a	GAA2920
Run #2	AA104684.D	100	10/30/23 16:24	JL	n/a	n/a	GAA2920

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3010 [a]	11	8.0	ug/l	
74-84-0	Ethane	61.8	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	15500	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	2140	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	170	2.0	0.89	mg/l	1	10/26/23 22:11	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	2.3	1.0	0.10	mg/l	1	10/28/23 04:30	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-7S		
Lab Sample ID:	JD75497-1F	**Date Sampled:**	10/23/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	16700	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	2180	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J6749.D	1	10/27/23 18:32	ED	n/a	n/a	V2J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane [a]	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	108%		80-120%
2037-26-5	Toluene-D8	109%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104686.D	1	10/30/23 17:11	JL	n/a	n/a	GAA2920
Run #2	AA104687.D	100	10/30/23 17:24	JL	n/a	n/a	GAA2920

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	3230 [a]	11	8.0	ug/l	
74-84-0	Ethane	62.9	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	15600	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	2150	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	173	2.0	0.89	mg/l	1	10/26/23 22:24	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	2.7	1.0	0.10	mg/l	1	10/28/23 04:42	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DUP-20231023		
Lab Sample ID:	JD75497-2F	**Date Sampled:**	10/23/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	16500	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	2180	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: MW-17S
Lab Sample ID: JD75497-3
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Old Erie Canal Site, 124 Columbia Street, Clyde, NY

Date Sampled: 10/23/23
Date Received: 10/26/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2J6753.D	5	10/27/23 19:35	ED	n/a	n/a	V2J222
Run #2	1X203008.D	50	10/30/23 13:17	NW	n/a	n/a	V1X8754

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	15	ug/l	
71-43-2	Benzene	ND	2.5	2.1	ug/l	
74-97-5	Bromochloromethane [b]	ND	5.0	2.4	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.3	ug/l	
75-25-2	Bromoform [b]	ND	5.0	3.2	ug/l	
74-83-9	Bromomethane [b]	ND	10	8.2	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	14	ug/l	
75-15-0	Carbon disulfide	ND	10	9.0	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.8	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.8	ug/l	
75-00-3	Chloroethane	ND	5.0	3.6	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
74-87-3	Chloromethane	ND	5.0	3.8	ug/l	
110-82-7	Cyclohexane	ND	25	3.9	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	10	2.6	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.8	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	2.4	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	2.7	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	2.7	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	2.5	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.8	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.8	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	3.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	3.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1260 [c]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	9.8	5.0	2.7	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	2.4	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	2.2	ug/l	
100-41-4	Ethylbenzene	ND	5.0	3.0	ug/l	
76-13-1	Freon 113	ND	25	2.9	ug/l	
591-78-6	2-Hexanone	ND	25	24	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17S		
Lab Sample ID:	JD75497-3	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	3.2	ug/l	
79-20-9	Methyl Acetate	ND	25	4.0	ug/l	
108-87-2	Methylcyclohexane	ND	25	3.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	25	24	ug/l	
75-09-2	Methylene chloride	ND	10	5.0	ug/l	
100-42-5	Styrene	ND	5.0	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	3.3	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	2.8	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.7	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.7	ug/l	
79-01-6	Trichloroethene	233	5.0	2.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.0	ug/l	
75-01-4	Vinyl chloride	193	5.0	2.6	ug/l	
	m,p-Xylene	ND	5.0	3.9	ug/l	
95-47-6	o-Xylene	ND	5.0	3.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	3.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	106%	92%	80-120%
2037-26-5	Toluene-D8	110%	96%	80-120%
460-00-4	4-Bromofluorobenzene	98%	97%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17S		
Lab Sample ID:	JD75497-3	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104688.D	1	10/30/23 17:37	JL	n/a	n/a	GAA2920
Run #2	AA104689.D	10	10/30/23 17:50	JL	n/a	n/a	GAA2920

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	358 [a]	1.1	0.80	ug/l	
74-84-0	Ethane	22.2	0.23	0.14	ug/l	
74-85-1	Ethene	11.3	0.31	0.16	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-17S		
Lab Sample ID:	JD75497-3	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	176	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	75.9	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-17S		
Lab Sample ID:	JD75497-3	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	51.3	2.0	0.89	mg/l	1	10/26/23 21:29	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	2.3	1.0	0.10	mg/l	1	10/28/23 04:54	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-17S		
Lab Sample ID:	JD75497-3F	**Date Sampled:**	10/23/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	107	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	55.7	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1J6750.D	1	10/27/23 18:48	ED	n/a	n/a	V1J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	18.6	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	11.2	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.1	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	1.7	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane [a]	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	98%		80-120%
2037-26-5	Toluene-D8	112%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104695.D	1	10/31/23 09:44	JL	n/a	n/a	GAA2921
Run #2	AA104696.D	100	10/31/23 09:58	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6580 [a]	11	8.0	ug/l	
74-84-0	Ethane	2.0	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	37500	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	7610 H	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	1.3 J	2.0	0.89	mg/l	1	10/26/23 22:55	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	121	5.0	0.50	mg/l	5	10/30/23 16:28	MB	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-1S		
Lab Sample ID:	JD75497-4F	**Date Sampled:**	10/23/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	42100	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [3]
Manganese	11300	75	7.0	ug/l	5	10/26/23	10/30/23	ND	SW846 6010D [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA54985
(2) Instrument QC Batch: MA54993
(3) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit

ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J6757.D	1	10/27/23 20:38	ED	n/a	n/a	V2J222
Run #2	2X203009.D	10	10/30/23 13:34	NW	n/a	n/a	V2X8754

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.82	0.50	0.43	ug/l	
74-97-5	Bromochloromethane [a]	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	1.6	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	68.9	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	3.6	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	156	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	683 [b]	10	5.2	ug/l	
	m,p-Xylene	12.2	1.0	0.78	ug/l	
95-47-6	o-Xylene	3.0	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	15.2	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	104%	80-120%
17060-07-0	1,2-Dichloroethane-D4	101%	91%	80-120%
2037-26-5	Toluene-D8	112%	96%	80-120%
460-00-4	4-Bromofluorobenzene	101%	97%	82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104698.D	1	10/31/23 10:24	JL	n/a	n/a	GAA2921
Run #2	AA104700.D	10	10/31/23 11:08	JL	n/a	n/a	GAA2921
Run #3	AA104699.D	200	10/31/23 10:55	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	10700 [a]	22	16	ug/l	
74-84-0	Ethane	202	0.23	0.14	ug/l	
74-85-1	Ethene	919 [b]	3.1	1.6	ug/l	

(a) Result is from Run# 3
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	7140	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	514	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5	**Date Sampled:**	10/23/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	6.2	2.0	0.89	mg/l	1	10/26/23 23:07	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	11.6	1.0	0.10	mg/l	1	10/28/23 05:17	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-14S		
Lab Sample ID:	JD75497-5F	**Date Sampled:**	10/23/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	6860	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	505	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2X203005.D	1	10/30/23 12:27	NW	n/a	n/a	V2X8754
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	3.4	10	3.1	ug/l	J
71-43-2	Benzene	2.3	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [b]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [b]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.0	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	10.0	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	173	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane [b]	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	67.4	1.0	0.52	ug/l	
	m,p-Xylene	68.0	1.0	0.78	ug/l	
95-47-6	o-Xylene	13.6	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	81.6	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		80-120%
17060-07-0	1,2-Dichloroethane-D4	89%		80-120%
2037-26-5	Toluene-D8	98%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(a) Associated CCV outside of control limits high.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA104701.D	1	10/31/23 11:21	JL	n/a	n/a	GAA2921
Run #2 [a]	AA104703.D	5	10/31/23 11:48	JL	n/a	n/a	GAA2921
Run #3 [a]	AA104702.D	100	10/31/23 11:34	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6120 [b]	11	8.0	ug/l	
74-84-0	Ethane	483 [c]	1.2	0.70	ug/l	
74-85-1	Ethene	120	0.31	0.16	ug/l	

(a) 3mm diameter bubble present in headspace.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	73200	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	1980	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	1.8 J	2.0	0.89	mg/l	1	10/26/23 23:20	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	28.8	1.0	0.10	mg/l	1	10/28/23 05:29	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6S		
Lab Sample ID:	JD75497-6F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	89100	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	2570	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1J6754.D	200	10/27/23 19:51	ED	n/a	n/a	V1J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2000	610	ug/l	
71-43-2	Benzene	ND	100	85	ug/l	
74-97-5	Bromochloromethane	ND	200	96	ug/l	
75-27-4	Bromodichloromethane	ND	200	90	ug/l	
75-25-2	Bromoform	ND	200	130	ug/l	
74-83-9	Bromomethane [b]	ND	400	330	ug/l	
78-93-3	2-Butanone (MEK)	ND	2000	550	ug/l	
75-15-0	Carbon disulfide	ND	400	360	ug/l	
56-23-5	Carbon tetrachloride [b]	ND	200	110	ug/l	
108-90-7	Chlorobenzene	ND	200	110	ug/l	
75-00-3	Chloroethane [b]	ND	200	150	ug/l	
67-66-3	Chloroform	ND	200	100	ug/l	
74-87-3	Chloromethane	ND	200	150	ug/l	
110-82-7	Cyclohexane	ND	1000	160	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	400	110	ug/l	
124-48-1	Dibromochloromethane	ND	200	110	ug/l	
106-93-4	1,2-Dibromoethane	ND	200	95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	200	110	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	200	110	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	200	100	ug/l	
75-71-8	Dichlorodifluoromethane	ND	400	110	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	110	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	120	ug/l	
75-35-4	1,1-Dichloroethene	ND	200	120	ug/l	
156-59-2	cis-1,2-Dichloroethene	32300	200	100	ug/l	
156-60-5	trans-1,2-Dichloroethene	145	200	110	ug/l	J
78-87-5	1,2-Dichloropropane	ND	200	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	94	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	86	ug/l	
100-41-4	Ethylbenzene	ND	200	120	ug/l	
76-13-1	Freon 113	ND	1000	120	ug/l	
591-78-6	2-Hexanone	ND	1000	960	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	200	130	ug/l	
79-20-9	Methyl Acetate	ND	1000	160	ug/l	
108-87-2	Methylcyclohexane	ND	1000	120	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	200	100	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1000	970	ug/l	
75-09-2	Methylene chloride	ND	400	200	ug/l	
100-42-5	Styrene	ND	200	97	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	130	ug/l	
127-18-4	Tetrachloroethene	ND	200	110	ug/l	
108-88-3	Toluene	ND	200	98	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	200	100	ug/l	
120-82-1	1,2,4-Trichlorobenzene [b]	ND	200	100	ug/l	
71-55-6	1,1,1-Trichloroethane [b]	ND	200	110	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	110	ug/l	
79-01-6	Trichloroethene	ND	200	110	ug/l	
75-69-4	Trichlorofluoromethane	ND	400	80	ug/l	
75-01-4	Vinyl chloride	8950	200	100	ug/l	
	m,p-Xylene	ND	200	160	ug/l	
95-47-6	o-Xylene	ND	200	120	ug/l	
1330-20-7	Xylene (total)	ND	200	120	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	111%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA104704.D	1	10/31/23 12:01	JL	n/a	n/a	GAA2921
Run #2 [a]	AA104705.D	50	10/31/23 13:31	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	2680 [b]	5.5	4.0	ug/l	
74-84-0	Ethane	27.8	0.23	0.14	ug/l	
74-85-1	Ethene	162	0.31	0.16	ug/l	

(a) 2mm diameter bubble present in headspace.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	1030	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	100	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	1300	14	6.2	mg/l	7	10/27/23 12:17	SS	EPA 300/SW846 9056A
Sulfide	4.7	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	2.1	1.0	0.10	mg/l	1	10/28/23 06:35	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-6B		
Lab Sample ID:	JD75497-7F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	798	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	117	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: MW-15S
Lab Sample ID: JD75497-8
Matrix: AQ - Ground Water
Method: SW846 8260D
Project: Old Erie Canal Site, 124 Columbia Street, Clyde, NY

Date Sampled: 10/24/23
Date Received: 10/26/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J6751.D	1	10/27/23 19:03	ED	n/a	n/a	V2J222
Run #2	1X203010.D	10	10/30/23 13:51	NW	n/a	n/a	V1X8754

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	4.2	0.50	0.43	ug/l	
74-97-5	Bromochloromethane [a]	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	2.1	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	0.56	1.0	0.51	ug/l	J
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	3.6	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15S		
Lab Sample ID:	JD75497-8	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	282 [b]	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	1.2	1.0	0.52	ug/l	
	m,p-Xylene	14.1	1.0	0.78	ug/l	
95-47-6	o-Xylene	9.8	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	23.9	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	103%	80-120%
17060-07-0	1,2-Dichloroethane-D4	103%	89%	80-120%
2037-26-5	Toluene-D8	113%	96%	80-120%
460-00-4	4-Bromofluorobenzene	98%	96%	82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15S		
Lab Sample ID:	JD75497-8	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104708.D	10	10/31/23 14:22	JL	n/a	n/a	GAA2921
Run #2	AA104707.D	200	10/31/23 14:06	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	8520 [a]	22	16	ug/l	
74-84-0	Ethane	2040	2.3	1.4	ug/l	
74-85-1	Ethene	1360	3.1	1.6	ug/l	

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15S		
Lab Sample ID:	JD75497-8	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	45500	100	32	ug/l	1	10/27/23	10/30/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	1470	15	1.4	ug/l	1	10/27/23	10/30/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54993
(2) Prep QC Batch: MP42765

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-15S		
Lab Sample ID:	JD75497-8	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	4.4	2.0	0.89	mg/l	1	10/26/23 23:46	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	12.8	1.0	0.10	mg/l	1	10/28/23 07:10	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-15S		
Lab Sample ID:	JD75497-8F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	43000	100	32	ug/l	1	10/27/23	10/30/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	1430	15	1.4	ug/l	1	10/27/23	10/30/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54993
(2) Prep QC Batch: MP42765

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1J6752.D	1	10/27/23 19:19	ED	n/a	n/a	V1J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.70	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane [a]	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		80-120%
17060-07-0	1,2-Dichloroethane-D4	102%		80-120%
2037-26-5	Toluene-D8	111%		80-120%
460-00-4	4-Bromofluorobenzene	96%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104709.D	1	10/31/23 14:35	JL	n/a	n/a	GAA2921
Run #2	AA104711.D	10	10/31/23 15:01	JL	n/a	n/a	GAA2921
Run #3	AA104710.D	100	10/31/23 14:48	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	5070 [a]	11	8.0	ug/l	
74-84-0	Ethane	657 [b]	2.3	1.4	ug/l	
74-85-1	Ethene	123	0.31	0.16	ug/l	

(a) Result is from Run# 3
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	23400	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	1660	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	1.3 J	2.0	0.89	mg/l	1	10/26/23 23:59	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	6.0	1.0	0.10	mg/l	1	10/28/23 07:22	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4S		
Lab Sample ID:	JD75497-9F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	23400	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	1620	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2J6755.D	250	10/27/23 20:06	ED	n/a	n/a	V2J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	2500	760	ug/l	
71-43-2	Benzene	ND	130	110	ug/l	
74-97-5	Bromochloromethane [b]	ND	250	120	ug/l	
75-27-4	Bromodichloromethane	ND	250	110	ug/l	
75-25-2	Bromoform [b]	ND	250	160	ug/l	
74-83-9	Bromomethane [b]	ND	500	410	ug/l	
78-93-3	2-Butanone (MEK)	ND	2500	680	ug/l	
75-15-0	Carbon disulfide	ND	500	450	ug/l	
56-23-5	Carbon tetrachloride	ND	250	140	ug/l	
108-90-7	Chlorobenzene	ND	250	140	ug/l	
75-00-3	Chloroethane	ND	250	180	ug/l	
67-66-3	Chloroform	ND	250	130	ug/l	
74-87-3	Chloromethane	ND	250	190	ug/l	
110-82-7	Cyclohexane	ND	1300	200	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	500	130	ug/l	
124-48-1	Dibromochloromethane	ND	250	140	ug/l	
106-93-4	1,2-Dibromoethane	ND	250	120	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	250	130	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	250	140	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	250	130	ug/l	
75-71-8	Dichlorodifluoromethane	ND	500	140	ug/l	
75-34-3	1,1-Dichloroethane	ND	250	140	ug/l	
107-06-2	1,2-Dichloroethane	ND	250	150	ug/l	
75-35-4	1,1-Dichloroethene	200	250	150	ug/l	J
156-59-2	cis-1,2-Dichloroethene	49900	250	130	ug/l	
156-60-5	trans-1,2-Dichloroethene	231	250	130	ug/l	J
78-87-5	1,2-Dichloropropane	ND	250	130	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	250	120	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	250	110	ug/l	
100-41-4	Ethylbenzene	ND	250	150	ug/l	
76-13-1	Freon 113	ND	1300	150	ug/l	
591-78-6	2-Hexanone	ND	1300	1200	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	250	160	ug/l	
79-20-9	Methyl Acetate	ND	1300	200	ug/l	
108-87-2	Methylcyclohexane	ND	1300	150	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	250	130	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	1300	1200	ug/l	
75-09-2	Methylene chloride	ND	500	250	ug/l	
100-42-5	Styrene	ND	250	120	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	250	160	ug/l	
127-18-4	Tetrachloroethene	ND	250	140	ug/l	
108-88-3	Toluene	2010	250	120	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	130	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	130	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	250	130	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	250	130	ug/l	
79-01-6	Trichloroethene	6330	250	130	ug/l	
75-69-4	Trichlorofluoromethane	ND	500	100	ug/l	
75-01-4	Vinyl chloride	27400	250	130	ug/l	
	m,p-Xylene	289	250	200	ug/l	
95-47-6	o-Xylene	ND	250	150	ug/l	
1330-20-7	Xylene (total)	289	250	150	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	112%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA104712.D	1	10/31/23 15:30	JL	n/a	n/a	GAA2921
Run #2 [a]	AA104714.D	10	10/31/23 16:00	JL	n/a	n/a	GAA2921
Run #3 [a]	AA104713.D	100	10/31/23 15:43	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6330 [b]	11	8.0	ug/l	
74-84-0	Ethane	206	0.23	0.14	ug/l	
74-85-1	Ethene	1500 [c]	3.1	1.6	ug/l	

(a) 5mm diameter bubble present in headspace.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	150	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	84.4	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	323	2.0	0.89	mg/l	1	10/27/23 00:12	SS	EPA 300/SW846 9056A
Sulfide	174	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	102	5.0	0.50	mg/l	5	10/30/23 17:03	MB	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-4B		
Lab Sample ID:	JD75497-10F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	137	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	85.2	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42757

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	2J6743.D	10	10/27/23 16:57	ED	n/a	n/a	V2J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	31	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane [b]	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform [b]	ND	10	6.3	ug/l	
74-83-9	Bromomethane [b]	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	18	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	1360	10	5.1	ug/l	
156-60-5	trans-1,2-Dichloroethene	29.3	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	
591-78-6	2-Hexanone	ND	50	48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	49	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	ND	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	1160	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	ND	10	5.2	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	110%		80-120%
460-00-4	4-Bromofluorobenzene	97%		82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104715.D	1	10/31/23 16:15	JL	n/a	n/a	GAA2921
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.53	0.11	0.080	ug/l	
74-84-0	Ethane	ND	0.23	0.14	ug/l	
74-85-1	Ethene	0.25	0.31	0.16	ug/l	J

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	279	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	34.5	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42758

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	1840	18	8.0	mg/l	9	10/27/23 12:33	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	1.2	1.0	0.10	mg/l	1	10/28/23 07:46	MS	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-5B		
Lab Sample ID:	JD75497-11F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	116	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	5.5 J	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42758

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	1X203006.D	10	10/30/23 12:44	NW	n/a	n/a	V1X8754
Run #2	1J6756.D	50	10/27/23 20:22	ED	n/a	n/a	V1J222

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [b]	ND	100	31	ug/l	
71-43-2	Benzene	ND	5.0	4.3	ug/l	
74-97-5	Bromochloromethane	ND	10	4.8	ug/l	
75-27-4	Bromodichloromethane	ND	10	4.5	ug/l	
75-25-2	Bromoform	ND	10	6.3	ug/l	
74-83-9	Bromomethane [b]	ND	20	16	ug/l	
78-93-3	2-Butanone (MEK)	ND	100	27	ug/l	
75-15-0	Carbon disulfide	ND	20	18	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.5	ug/l	
108-90-7	Chlorobenzene	ND	10	5.6	ug/l	
75-00-3	Chloroethane	ND	10	7.3	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
74-87-3	Chloromethane	ND	10	7.6	ug/l	
110-82-7	Cyclohexane	ND	50	7.8	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [b]	ND	20	5.3	ug/l	
124-48-1	Dibromochloromethane	ND	10	5.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	4.8	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	10	5.3	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	10	5.4	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	10	5.1	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	5.6	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.7	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	6.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	5.9	ug/l	
156-59-2	cis-1,2-Dichloroethene	2680 [c]	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethene	18.9	10	5.4	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.1	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	4.7	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	4.3	ug/l	
100-41-4	Ethylbenzene	ND	10	6.0	ug/l	
76-13-1	Freon 113	ND	50	5.8	ug/l	
591-78-6	2-Hexanone [b]	ND	50	48	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	10	6.5	ug/l	
79-20-9	Methyl Acetate	ND	50	8.0	ug/l	
108-87-2	Methylcyclohexane	ND	50	6.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.1	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [b]	ND	50	49	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	4.9	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	6.5	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.6	ug/l	
108-88-3	Toluene	ND	10	4.9	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.4	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.3	ug/l	
79-01-6	Trichloroethene	ND	10	5.3	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	4.0	ug/l	
75-01-4	Vinyl chloride	1800 [c]	50	26	ug/l	
	m,p-Xylene	ND	10	7.8	ug/l	
95-47-6	o-Xylene	ND	10	5.9	ug/l	
1330-20-7	Xylene (total)	ND	10	5.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%	94%	80-120%
17060-07-0	1,2-Dichloroethane-D4	90%	103%	80-120%
2037-26-5	Toluene-D8	97%	111%	80-120%
460-00-4	4-Bromofluorobenzene	95%	100%	82-114%

(a) Dilution required due to high concentration of target compound.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	AA104716.D	1	10/31/23 16:28	JL	n/a	n/a	GAA2921
Run #2 [a]	AA104718.D	10	10/31/23 16:55	JL	n/a	n/a	GAA2921
Run #3 [a]	AA104717.D	100	10/31/23 16:42	JL	n/a	n/a	GAA2921

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	6710 [b]	11	8.0	ug/l	
74-84-0	Ethane	3.89	0.23	0.14	ug/l	
74-85-1	Ethene	952 [c]	3.1	1.6	ug/l	

(a) 2mm diameter bubble present in headspace.
(b) Result is from Run# 3
(c) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	809	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	142	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42758

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12	**Date Sampled:**	10/24/23
Matrix:	AQ - Ground Water	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	300	2.0	0.89	mg/l	1	10/27/23 01:04	SS	EPA 300/SW846 9056A
Sulfide	8.1	2.0	0.48	mg/l	1	10/27/23 11:20	MP	SM4500S2- F-11
Total Organic Carbon	189	5.0	0.50	mg/l	5	10/30/23 17:38	MB	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	JD75497-12F	**Date Sampled:**	10/24/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	10/26/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	866	100	32	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	135	15	1.4	ug/l	1	10/26/23	10/27/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA54985
(2) Prep QC Batch: MP42758

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	TB-01-20231025		
Lab Sample ID:	JD75497-13	**Date Sampled:**	10/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1J6740.D	1	10/27/23 16:10	ED	n/a	n/a	V1J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride [a]	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane [a]	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-01-20231025		
Lab Sample ID:	JD75497-13	**Date Sampled:**	10/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene [a]	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane [a]	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		80-120%
17060-07-0	1,2-Dichloroethane-D4	105%		80-120%
2037-26-5	Toluene-D8	112%		80-120%
460-00-4	4-Bromofluorobenzene	98%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02-20231025		
Lab Sample ID:	JD75497-14	**Date Sampled:**	10/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2J6741.D	1	10/27/23 16:26	ED	n/a	n/a	V2J222
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane [a]	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform [a]	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane [a]	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropan [a]	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
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J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-02-20231025		
Lab Sample ID:	JD75497-14	**Date Sampled:**	10/24/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/26/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	111%		80-120%
460-00-4	4-Bromofluorobenzene	99%		82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
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E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY

SGS

EHSA-QAC-0023-04-FORM-Standard COC

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

Page 1 of 2

FED-EX Tracking # 7003783250181 | Bottle Order Control # MM101023-60
SGS Quote # 2021 2663 | SGS Job # JD75497

Client / Reporting Information

Company Name: Arcadis
Street Address: 110 W. Fayette Street, Suite 300
City, State, Zip: Syracuse, NY 13202
Project Contact: Chris Kassel E-mail: chris.kassel@arcadis.com cc: edward.mason@arcadis.com
Phone #: 315-671-9127
Sampler(s) Name(s): Kaitlyn Fleming and Bailey Kudla-Williams Phone #: 619-727-1921

Project Information

Project Name: Old Erie Canal Site
Street: 24 Columbia Street
City: Clyde State: NY
Project #: 30147041.4
Client Purchase Order #:
Project Manager: Corey Averill

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

Requested Analysis

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 #	Date	Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	VOCs	Iron, Manganese	Dissolved Iron, Manganese (Field Filtered)	Dissolved Gasses (ethane, ethene, and methane)	Sulfate	Sulfide	Total Organic Carbon	LAB USE ONLY
1	MW-7S		10/23/23	1135	KCF	G		GW	36	28	8	8		4				X	X	X	X	X	X	X	
2	DUP-20231023		10/23/23	—	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	A3Z
3	MW-17S		10/23/23	1420	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	C39
4	MW-1S		10/23/23	1315	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	19F2
5	MW-14S		10/23/23	1500	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
6	MW-6S		10/24/23	0935	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
7	MW-6B		10/24/23	1125	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
8	MW-15S		10/24/23	0940	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
9	MW-4S		10/24/23	1355	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
10	MW-4B		10/24/23	1450	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
11	MW-5B		10/24/23	1155	BKW	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	
12	MW-13S		10/24/23	1300	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X	

pH Check (Lab Use Only)

Turn Around Time (Business Days)

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

All data available via Lablink

Approved By (SGS PM): / Date:

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria______
- [ ] CT RCP Criteria______
- [ ] State Forms
- [x] EDD Format EQuIS-5 (4-file)
- [ ] DOD-QSM5

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

Comments / Special Instructions

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

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

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [signature] Arcadis	10/25/23 1300	1 FEDEX	2 FEDEX	10/26/23 10:00	2 [signature]
3		3	4		4
5		5	Custody Seal #	☐ Intact ☐ Not intact Absent ☐	Therm ID: On Ice Cooler Temp. See Sample Receipt Summary 0.2° TR10

0.7°
1.4°
0.4°

Initial Assessment MB3B

Label Verification__________

JD75497: Chain of Custody
Page 1 of 3

SGS

CHAIN OF CUSTODY

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

Page 2 of 2

FED-EX Tracking #: 700378325018
Bottle Order Control #: MM-101023-60
SGS Quote #: 2021 2663
SGS Job #:

Client / Reporting Information

Company Name: Arcadis
Street Address: 110 W. Fayette Street, Suite 300
City / State / Zip: Syracuse, NY 13202
Project Contact: Chris Kassel E-mail: chris.kassel@arcadis.com
cc: edward.mason@arcadis.com
Phone #: 315-671-9127
Sampler(s) Name(s): Kaitlyn Fleming and Bailey Kudla-Williams Phone #: 619-727-1921

Project Information

Project Name: Old Erie Canal Site
Street: 24 Columbia Street
City: Clyde State: NY
Project #: 30147041.4
Client Purchase Order #:
Project Manager: Corey Averill

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

Matrix Codes

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

SGS Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Grab (G) Comp (C)	Source Chlorinated (Y/N)	Matrix	# of bottles	HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	VOCs	Iron, Manganese	Dissolved Iron, Manganese (Field Filtered)	Dissolved Gasses (ethane, ethene, and methane)	Sulfate	Sulfide	Total Organic Carbon	LAB USE ONLY
13	TB-01-20231025		10/13/23	1500	—	G		GW	2	2								X							
14	TB-02-20231025		10/13/23	1500	—	G		GW	2	2								X							
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	
						G		GW																	

pH Check (Lab Use Only)

Turn Around Time (Business Days)

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

All data available via Lablink

Approved By (SGS PM): / Date:

* Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria ______
- [ ] CT RCP Criteria ______
- [ ] State Forms
- [x] EDD Format EQuIS-5 (4-file)
- [ ] DOD-QSM5

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

Comments / Special Instructions

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

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

Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1 [illegible signature] Arcadis	10/25/23 1300	1	2		2
3		3	4		4
5		5	Custody Seal # ☐ Intact ☐ Not Intact	Absent ☐	Therm ID: On Ice Cooler Temp. °C See Sample Receipt Summary ☐

JD75497: Chain of Custody
Page 2 of 3

SGS Sample Receipt Summary

Job Number: JD75497 **Client:** ARCADIS U.S. **Project:** OLD ERIE CANAL SITE, 124 COLUMBIA S

Date / Time Received: 10/26/2023 10:00:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (0.2); Cooler 2: (0.7); Cooler 3: (1.4); Cooler 4: (0.4);

Cooler Temps (Corrected) °C: Cooler 1: (-0.1); Cooler 2: (0.4); Cooler 3: (1.1); Cooler 4: (0.1);

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 Gun 40		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	4		

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

SM089-03
Rev. Date 12/7/17

Sample Summary

Arcadis

Job No: JD76015

Old Erie Canal Site, 124 Columbia Street, Clyde, NY
Project No: 30147041.4

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
JD76015-1	11/02/23	10:30	KCF	11/03/23	AQ	Ground Water	MW-19S
JD76015-1F	11/02/23	10:30	KCF	11/03/23	AQ	Groundwater Filtered	MW-19S
JD76015-2	11/02/23	11:00	KCF	11/03/23	AQ	Ground Water	MW-18S
JD76015-2F	11/02/23	11:00	KCF	11/03/23	AQ	Groundwater Filtered	MW-18S
JD76015-3	11/02/23	11:00		11/03/23	AQ	Trip Blank Water	TB-20231102

This report contains results reported as ND = Not detected. The following applies:

Organics ND = Not detected above the MDL
Metals ND = Not detected above the MDL
General Chemistry ND = Not detected above the MDL

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1E177761.D	1	11/06/23 14:53	LD	n/a	n/a	V1E8742
Run #2	1U61320.D	25	11/07/23 13:06	ED	n/a	n/a	V1U2344

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	3.1	ug/l	
71-43-2	Benzene	0.61	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [a]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	9.9	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	1.8	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	1910 [b]	25	13	ug/l	
156-60-5	trans-1,2-Dichloroethene	17.8	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	2.8	1.0	0.56	ug/l	
108-88-3	Toluene	0.68	1.0	0.49	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	1.0	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	65.5	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	59.0	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%	93%	80-120%
17060-07-0	1,2-Dichloroethane-D4	100%	98%	80-120%
2037-26-5	Toluene-D8	97%	106%	80-120%
460-00-4	4-Bromofluorobenzene	94%	97%	82-114%

(a) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.
(b) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104919.D	1	11/09/23 15:26	JL	n/a	n/a	GAA2928
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	0.53	0.11	0.080	ug/l	
74-84-0	Ethane	ND	0.23	0.14	ug/l	
74-85-1	Ethene	ND	0.31	0.16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	3090	100	32	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	150	15	1.4	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA55052
(2) Prep QC Batch: MP42989

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	27.3	2.0	0.89	mg/l	1	11/06/23 18:45	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	11/06/23 13:35	MP	SM4500S2- F-11
Total Organic Carbon	9.8	1.0	0.10	mg/l	1	11/06/23 13:38	MB	SM5310 B-11/14

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	JD76015-1F	**Date Sampled:**	11/02/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	ND	100	32	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	28.0	15	1.4	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA55052
(2) Prep QC Batch: MP42989

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E177762.D	1	11/06/23 15:07	LD	n/a	n/a	V2E8742
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	33.6	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	0.81	1.0	0.49	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	2.2	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	14.6	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	104%		80-120%
2037-26-5	Toluene-D8	95%		80-120%
460-00-4	4-Bromofluorobenzene	92%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
Method:	RSK-175	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	AA104920.D	1	11/09/23 15:38	JL	n/a	n/a	GAA2928
Run #2							

CAS No.	Compound	Result	RL	MDL	Units	Q
74-82-8	Methane	69.5	0.11	0.080	ug/l	
74-84-0	Ethane	1.5	0.23	0.14	ug/l	
74-85-1	Ethene	0.66	0.31	0.16	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Total Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	434	100	32	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	849	15	1.4	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA55052
(2) Prep QC Batch: MP42989

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2	**Date Sampled:**	11/02/23
Matrix:	AQ - Ground Water	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfate	58.6	2.0	0.89	mg/l	1	11/06/23 18:58	SS	EPA 300/SW846 9056A
Sulfide	ND	2.0	0.48	mg/l	1	11/06/23 13:35	MP	SM4500S2- F-11

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	MW-18S		
Lab Sample ID:	JD76015-2F	**Date Sampled:**	11/02/23
Matrix:	AQ - Groundwater Filtered	**Date Received:**	11/03/23
		Percent Solids:	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

Dissolved Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	62.3 J	100	32	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]
Manganese	360	15	1.4	ug/l	1	11/08/23	11/09/23	ND	SW846 6010D [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA55052
(2) Prep QC Batch: MP42989

RL = Reporting Limit
MDL = Method Detection Limit
ND = Not detected
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID: TB-20231102
Lab Sample ID: JD76015-3
Matrix: AQ - Trip Blank Water
Method: SW846 8260D
Project: Old Erie Canal Site, 124 Columbia Street, Clyde, NY

Date Sampled: 11/02/23
Date Received: 11/03/23
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2E177772.D	1	11/06/23 17:23	LD	n/a	n/a	V2E8742
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone [a]	ND	10	3.1	ug/l	
71-43-2	Benzene	ND	0.50	0.43	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.48	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.45	ug/l	
75-25-2	Bromoform	ND	1.0	0.63	ug/l	
74-83-9	Bromomethane	ND	2.0	1.6	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	2.7	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.8	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.55	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.56	ug/l	
75-00-3	Chloroethane	ND	1.0	0.73	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
74-87-3	Chloromethane	ND	1.0	0.76	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.78	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.53	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.56	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.48	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.53	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.54	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.51	ug/l	
75-71-8	Dichlorodifluoromethane [b]	ND	2.0	0.56	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.57	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.60	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.59	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.51	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.54	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.51	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.47	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.43	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.60	ug/l	
76-13-1	Freon 113	ND	5.0	0.58	ug/l	
591-78-6	2-Hexanone [a]	ND	5.0	4.8	ug/l	

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TB-20231102		
Lab Sample ID:	JD76015-3	**Date Sampled:**	11/02/23
Matrix:	AQ - Trip Blank Water	**Date Received:**	11/03/23
Method:	SW846 8260D	**Percent Solids:**	n/a
Project:	Old Erie Canal Site, 124 Columbia Street, Clyde, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.65	ug/l	
79-20-9	Methyl Acetate	ND	5.0	0.80	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.60	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.51	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK [a]	ND	5.0	4.9	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.49	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.65	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.56	ug/l	
108-88-3	Toluene	ND	1.0	0.49	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.54	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.53	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.53	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.40	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.52	ug/l	
	m,p-Xylene	ND	1.0	0.78	ug/l	
95-47-6	o-Xylene	ND	1.0	0.59	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.59	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		80-120%
17060-07-0	1,2-Dichloroethane-D4	103%		80-120%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	93%		82-114%

(a) Associated CCV outside of control limits high, sample was ND.
(b) Associated CCV outside of control limits low. A sensitivity check was analyzed to demonstrate system suitability to detect affected analyte. Sample was ND.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

CHAIN OF CUSTODY

GW
TB

JD76015

Page 1 of 1

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL. 732-329-0200 FAX: 732-329-3499/3480
www.sgs.com/ehsusa

EHSA-QAC-0023-04-FORM-Standard COC

FED-EX Tracking #:
Bottle Order Control #: MM-101023-60
SGS Quote #: 2021 2663
SGS Job #:

Client / Reporting Information

Company Name: Arcadis
Street Address: 110 W. Fayette Street, Suite 300
City / State / Zip: Syracuse, NY 13202
Project Contact / E-mail: Chris Kassel chris.kassel@arcadis.com cc: edward.mason@arcadis.com
Phone #: 315-671-9127
Sampler(s) Name(s) / Phone #: Kaitlyn Fleming and Bailey Kudla-Williams 619-727-1921

Project Information

Project Name: Old Erie Canal Site
Street: 24 Columbia Street
City / State: Clyde NY
Project #: 30147041.4
Client Purchase Order #:
Project Manager: Corey Averill

Billing Information (If different from Report to)

Company Name:
Street Address:
City / State / Zip:
Attention:

Requested Analysis

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 preserved Bottles: HCl	NaOH	HNO_3	H_2SO_4	NONE	DI Water	MEOH	ENCORE	VOCs	Iron, Manganese	Dissolved Iron, Manganese (Field Filtered)	Dissolved Gasses (ethane, ethene, and methane)	Sulfate	Sulfide	Total Organic Carbon	pH Check (Lab Use Only)	LAB USE ONLY
1	MW-19S		11/2/23	1030	KCF	G		GW	12	7	2	2		1				X	X	X	X	X	X	X		AZ
2	MW-18S		11/2/23	1100	KCF	G		GW	11	6	2	2		1				X	X	X	X	X	X			GZB
3	TB-20231102		—	—	—	G		GW	2	2								X								19D3
						G		GW																		
						G		GW																		
						G		GW																		
						G		GW																		
						G		GW																		
						G		GW																		
						G		GW																		
						G		GW																		

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 Lablink

*Approval needed for 1-3 Business Day TAT

Deliverable

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] NJ Reduced (Level 3)
- [ ] Full Tier I (Level 4)
- [ ] Commercial "C"
- [ ] NJ DKQP
- [ ] NYASP Category A
- [x] NYASP Category B
- [ ] MA MCP Criteria
- [ ] CT RCP Criteria
- [ ] State Forms
- [x] EDD Format EQuIS-5 (4-file)
- [ ] DOD-QSM5

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

Comments / Special Instructions

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

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

	Relinquished by:	Date / Time:	Received By:	Relinquished By:	Date / Time:	Received By:
1	Fleming Arcadis	11/2/23 1300	1 Fedex	2 Fedex	11-3-23 9150	2
3		Date / Time:	3	4	Date / Time:	4
5		Date / Time:	5	Custody Seal #	☐ Intact ☐ Not Intact / Absent	Therm ID: / See Sample Receipt Summary	On Ice ☑	Cooler Temp. °C 4.1 CP

ID 40

SGS Sample Receipt Summary

Job Number: JD76015 **Client:** ARCADIS U.S. **Project:** OLD ERIE CANAL SITE, 124 COLUMBIA S

Date / Time Received: 11/3/2023 9:50:00 AM **Delivery Method:** FEDEX **Airbill #'s:**

Cooler Temps (Raw Measured) °C: Cooler 1: (4.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

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 Gun 40		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

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

SM089-03
Rev. Date 12/7/17