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New York State Office of People with Developmental Disabilities – Gowanda Site – VCA Site No. V-00463-9

4 Industrial Place, Gowanda, NY

GROUNDWATER CHARACTERIZATION REPORT-MAY 2023 (Q2 2023)

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1.0 INTRODUCTION

Bergmann is submitting this groundwater characterization report for the second quarter 2023 sampling event, conducted on May 18th and 19th, 2023, on behalf of the Dormitory Authority of the State of New York (DASNY) and the New York State Office of People with Developmental Disabilities (OPWDD) for activities conducted at the former Gowanda Day Habilitation Center facility at 4 Industrial Place, Gowanda, NY. The OPWDD, as the volunteer, entered into a Voluntary Cleanup Agreement (VCA) with the New York State Department of Environmental Conservation (NYSDEC) to conduct investigations and implement remedial measures in accordance with VCA Site No. V-00463-9, effective August 16, 2001.

1.1 SCOPE OF WORK

This report documents the site-wide groundwater monitoring and laboratory analytical sampling event conducted on May 18th and May 19th, 2023. Field measurements, sampling procedures and laboratory analysis were conducted in accordance with the October 2006 Operations, Monitoring, and Maintenance (OM&M) Manual and as modified with NYSDEC approval. During this sampling event, groundwater from twenty-one (21) of twenty-one (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells were sampled for laboratory analysis.

The pervious groundwater sampling event was conducted in March 2023 and included analysis of groundwater samples from the (21) site-related groundwater monitoring wells and all seven (7) groundwater recovery wells.

1.2 SITE BACKGROUND

The Gowanda Day Habilitation site consists of a 5.94-acre parcel located at 4 Industrial Place, Gowanda, New York. The building, previously used by several manufacturing operations, was built in stages between circa 1948 and 1987 and was renovated in 1987-1988. Manufacturing operations occurred at the site between 1956 and 1987. New York State agencies occupied the building since 1982. New York State acquired the parcel in 1989. The building was most recently operated by the OPWDD, which at that time was known as the Western New York Developmental Disabilities Services Office, as a Day Habilitation Center for mental care clients. In April 2001, on-site operations ceased. The nature and extent of contamination at the Gowanda Day Habilitation Center was detailed as part of the 2003 Site Investigation and 2004 Supplemental Site Investigation Reports. Trichloroethene (TCE) was the most commonly detected compound. TCE degradation products cis-1,2, Dichloroethene (Cis-1,2-DCE), trans-1,2-Dichloroethene (Trans-1,2-DCE) and Vinyl Chloride (VC) were also detected. The source of these CVOCs were releases that occurred during the manufacturing operations that occurred at the facility.

Following Interim Remedial Measure (IRM) system installation, the Groundwater Treatment System (GTS) and the Soil Vapor Extraction System (SVES) was operated from 2005 to 2013 recovered 2-5 gallons per minute (gpm) of groundwater. The GTS portion consisted of seven (7) groundwater recovery wells (four dual phase recovery wells and three groundwater-only recovery wells), an air compressor, a network of controller-less pneumatic pumps and an air stripper treatment system to process recovered groundwater. Recovered groundwater was pumped to the equalization tank for settling of the sediment and transferred to the air stripper using a consistent flow rate. Air discharge from the air stripper was routed to the SVE for treatment prior to discharge. Groundwater was discharged to the village of Gowanda Sewage Treatment Plant (STP). Quarterly groundwater sampling with Operation and Maintenance of the remediation system has been ongoing since 2002.

In January 2014, the condition of the SVE and GTS was discussed with the NYSDEC representative, and it was agreed that these systems would be deactivated to allow for groundwater level recovery during the preparation

of an In-Situ Chemical Oxidation (ISCO) Remedial Action Plan (RAP) for the implementation of an ISCO treatment. Bergmann submitted an ISCO RAP for groundwater treatment to the NYSDEC to address the remaining contamination at the Site in lieu of costly repair of the SVE and GTS. The SVE and GTS equipment will remain on-site in the event that re-activation is required in the future. The SVES system was deactivated in 2013, and an ISCO treatment was implemented in May 2015 and a second round of injections in September 2015. An ISCO Report was prepared and submitted under a separate cover.

2.0 GROUNDWATER SAMPLING OVERVIEW AND METHODS

2.1 WELL MAINTENANCE ACTIVITIES

During the May 2023 site visit, all monitoring wells were accessible, and the integrity of the wells was not compromised. Repairs or maintenance to the network of groundwater monitoring wells or recovery wells has were not required. All protective casings and flush-mount curb boxes were found to be intact and secure. Exterior monitoring wells are secured with locking stick-up protective casings. The monitoring wells within the building are secured with flush-mount roadway covers. Well maintenance was not performed during the May 2023 sampling event.

2.2 GROUNDWATER FIELD MONITORING AND SAMPLING ACTIVITIES

Groundwater measurements and sampling activities were conducted in accordance with the October 2006 OM&M Manual. The depths to groundwater in groundwater monitoring wells are measured quarterly to monitor site-wide changes in the water table elevation and to allow for adjustment at recovery wells. Past operation of the recovery wells was intended to establish hydraulic containment of the impacted groundwater plume beneath the former Day Habilitation building and improve recovery and treatment of impacted groundwater.

Groundwater samples were collected from the twenty-one (21) site-related groundwater monitoring wells for laboratory analysis on May 18 and May 19, 2023. Depth to groundwater measurements were obtained from twenty-eight (28) wells (including recovery wells).

Groundwater samples were collected from monitoring wells after each well was gauged. Measurements of purged groundwater including turbidity, temperature, pH, oxygen, and conductivity were determined by analyzing a quantity of groundwater in a cup using a YSI Quatro prior to sampling. Groundwater samples were collected from monitoring and recovery wells using dedicated bailers, to allow for an accurate representation of groundwater without collecting sediment from within the wells. Sampling was performed based on discussion and direction from a telephone conversation with David Szymanski (NYSDEC project manager at the time) in January 2018 in which no noticeable changes in test results were noticed comparing bailing and slow purge methods. This was first noted in Q3 2018 and is also noted in the approved PRR dated 2019. A single duplicate sample and a field blank sample were collected and submitted for laboratory analysis.

The samples were transported from the project site via a chain-of-custody protocol to ALS Environmental, a NYSELAP certified laboratory located in Rochester, New York. The samples were then tested for Volatile Organic Compounds (VOCs), using EPA Method 8260. Analytical results for each individual monitoring well have been posted in Table 3 for comparative purposes from sampling events completed 2012 – 2023.

3.0 LOCAL GROUNDWATER FLOW CHARACTERIZATION

The Site potentiometric surface and groundwater flow direction was determined for May 2023 using water table elevations measured at each well. Groundwater elevations and well reference elevations were calculated using depth to water measurements obtained on May 18 and May 19, 2023. The well gauging values and groundwater elevations are provided in Table 1 – Groundwater Elevations and Field Measurements – May 2023.

The May 2023 potentiometric surface map shows a flow pattern similar to groundwater flow pattern observed historically since 2002. Groundwater at the Site is flowing generally in a northerly direction. Torrance Place is hydraulically down-gradient from the Day Habilitation Center building. It is noted that the residential properties along Torrance Place utilize municipal/public water. The May 2023 water table elevations range from 764.86 feet (ft) above mean sea level (AMSL) at MW-21, to 773.26 ft. AMSL at MW-9. The average table water elevation was 769.30 ft AMSL, which is a decrease from the average groundwater elevation of the previous sampling event in March of 2023 (769.87 ft AMSL).

The site-wide average groundwater elevation decreased by approximately 0.57 ft when compared to the previous sampling event from March 2023. This decrease in the elevation of groundwater appears to be seasonal.

Measured depth to water at all gauged monitoring and recovery wells is presented in Table 1 and May 2023 Groundwater Elevation Contours are presented on Figure 1 – May 2023 Groundwater Elevation Contour Map.

4.0 LABORATORY ANALYSIS

4.1 LABORATORY ANALYSIS ON GROUNDWATER SAMPLES

Laboratory analysis was completed on the groundwater samples from twenty-one (21) monitoring wells and seven (7) recovery wells collected May 18 and May 19, 2023. Samples were analyzed for VOCs via EPA Method 8260. Analysis was performed in accordance with the October 2006 OM&M Manual. The following chlorinated VOCs (CVOCS) were analyzed for:

- Trichloroethene (TCE)
- 1,1,1 Trichloroethane (TCA)
- Cis-1,2-Dichloroethene (Cis-DCE)
- Trans-1,2-Dichloroethene (Trans-1,2-DCE)
- Vinyl Chloride (VC)

CVOCs values, as present throughout this report, in the text, charts, and Tables 2, 3, and 4, are not representative of all CVOCs detected, but are the of the sum of detected concentration of TCE, Cis-DCE, Trans-1,2-DCE, VC, and TCA.

4.2 MONITORING WELL GROUNDWATER ANALYSIS SUMMARY

The May 2023 analytical results indicate detection of four (4) chlorinated VOCs in monitoring well samples: TCE, Cis-DCE, Trans-1,2-DCE, and VC. Chlorinated VOCs were detected in groundwater samples from eleven (11) of the twenty-one (21) monitoring wells sampled. Analytical results are summarized in Table 2 – May 2023 Analytical Results Summary, which compares detected VOCs and applicable NYSDEC Class GA Standards for each analyte. The complete laboratory analytical report is provided in Appendix A – Laboratory Analytical Results Report May 2023 Sampling Event. Table 3 – Historic Groundwater Analysis Results Summary includes the historical CVOC concentrations at each well since the groundwater monitoring of the wells began in 2002.

VOCs were not detected in groundwater from ten (10) of the sampled monitoring wells.

As depicted in Table 5, groundwater samples from eleven (11) monitoring wells had detectable chlorinated VOCs at concentrations above applicable Class GA Standards. The monitoring well with the highest total CVOCs detected at monitoring wells MW-1 (600 parts per billion (ppb), which is consistent with previously collected historical data.

Concentrations in nine (9) of the twenty-one (21) monitoring well groundwater samples increased when compared to the March 2023 sampling event while concentrations in two (2) of the twenty-one (21) monitoring well groundwater samples decreased. The concentrations of CVOCs in ten (10) monitoring wells remain unchanged. The current sampling analytical results indicate an average site-wide decrease in CVOCs of approximately 88.21% since the activation of the GTS in May 2005.

The area of highest concentration of CVOCs groundwater is in the area of monitoring wells MW-1 and MW-11, which is consistent with historical concentrations of CVOCs.

In monitoring wells located in the source area (MW-1, MW-6, MW-7, MW-11, MW-12, MW-14, MW-15, and MW-17) the analytical results show a contaminant reduction in CVOC concentrations by approximately 80.56% monitoring of these wells since 2002.

- The CVOC concentrations decreased at monitoring well MW-1 relative to the prior sampling event. The CVOC concentration at monitoring well MW-1 for the May 2023 sampling event was 600 ppb, a decrease from the March 2023 value of 449.00 ppb. Since activation of the GTS in May 2005 through subsequent deactivation of the GTS in 2013 to present, detected CVOCs at MW-1 have increased by 21.88%.

- Monitoring well MW-11 increased in CVOCs relative to the prior sampling event. The CVOC concentration at MW-11 for the May 2023 sampling event is 355 ppb, an increase from the March 2023 value of 304 ppb. Since activation of the GTS in May 2005 through subsequent deactivation of the GTS in 2013 to present, detected CVOCs at MW-11 have decreased by 92.36%.
- Monitoring well MW-12 increased in CVOCs relative to the prior sampling event. The CVOC concentration at MW-12 for the May 2023 sampling event is 221 ppb, an increase from the March 2023 value of 170 ppb. MW-12 is nearest to recovery well DR-2, in close proximity to the center of the building. Since activation of the GTS in May 2005 through subsequent deactivation of the GTS in 2013 to present, detected CVOCs at MW-12 have decreased by 98.25%.
- Monitoring well MW-13 had no change in CVOCs relative to the prior sampling event. The CVOC concentration at monitoring well MW-13 for the May 2023 sampling event was non-detect (ND), which was no change from the March 2023 sampling event, which was ND ppb. Since activation of the GTS in May 2005 through subsequent deactivation of the GTS in 2013 to present, detected CVOCs at MW-13 have decreased by 100%.
- Monitoring well MW-14 increased in CVOCs relative to the prior sampling event. The CVOC concentration at MW-14 for the May 2023 sampling event is 60.00 ppb, a decrease from the March 2023 value of 63.9 ppb. MW-14 is nearest to recovery well DR-3. Since activation of the GTS in May 2005 through subsequent deactivation of the GTS in 2013 to present, detected CVOCs at MW-14 have decreased by 80.95%.
- Monitoring well MW-15 increased in CVOCs relative to the prior sampling event. The CVOC concentration at MW-15 for the May 2023 sampling event was 6.9 ppb, an increase from the March 2023 sampling event, which was non-detect. MW-15 is nearest to recovery well DR-4. Since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present, the detected CVOCs at MW-15 have decreased by 99.05%.

Six (6) groundwater monitoring wells are located along the Site's north perimeter, down-gradient from the area of impacted groundwater (MW-5, MW-6, MW-7, MW-16, MW-17, and MW-21). The current analytical data exhibits an overall decrease in CVOCs at the sampled monitoring wells along the north perimeter, compared to the March 2023 sampling event.

Monitoring wells MW-18, MW-19R and MW-21 are located off-site along Torrance Place. These three (3) wells are considered to be beyond the historic radius of influence for the GTS. The current analytical results indicate a detection of 6.3 ppb for CVOCs for MW-18. Monitoring well MW-21 was added to the sampling list at the request of the NYSDEC beginning with the June 2015 sampling event. Well MW-19R had a CVOC concentration that was non-detect, and well MW-21 had a CVOC concentration of 5.80 ppb during the May 2023 sampling event.

Laboratory analytical reports are included in Appendix A. Monitoring well locations and concentrations of CVOCs are shown on Figure 2 – May 2023 Distribution of Groundwater Analytical Results: Monitoring Wells.

4.3 SENTRY WELL GROUNDWATER ANALYSIS SUMMARY

Sentry groundwater monitoring wells monitor a separate occurrence of contaminated groundwater at the Gowanda Electronics Site (NYSDEC Site 905025), immediately east of Industrial Place and east of the Day Habilitation Center property. The eastern sentry wells sampled for this event were MW-19R and MW-4. CVOCs were not detected in monitoring wells MW-19R and MW-4. Results for MW-20, a well situated on the eastern side of the site north of MW-4 and south of MW-19R, were non-detect.

The Gowanda Electronics CVOC plume may be migrating to an area near Industrial Place and CVOCs are intermittently detected in MW-19R. The Gowanda Electronics CVOC groundwater plume does not appear to

extend to the Day Habilitation Center property, based on consistent non-detect values at the eastern sentry wells. Conversely, impacted groundwater from the Day Habilitation Center does not appear to extend off-site to the east toward Industrial Place. A ISCO injection application was implemented for the Gowanda Electronics site in June 2014.

Laboratory analytical results are included in Appendix A. Sentry well locations and analytical results are shown on Figure 2.

4.4 RECOVERY WELL GROUNDWATER ANALYSIS SUMMARY

During the May 2023 sampling event, all of the seven (7) recovery wells were sampled.

The May 2023 analytical results indicate detection of CVOCs in all seven (7) recovery well samples that include: TCE, Cis-DCE, VC and Trans-1,2-DCE. CVOCs detected in the seven (7) recovery wells for which past data is available have decreased overall since activation of the GTS in May 2002. The average decrease in CVOCs for the current sampling event is 91.48% relative to concentrations prior to GTS activation in 2002. Relative percent decrease in CVOCs for all monitoring wells and recovery wells are shown on Table 4 – Percent Reductions in Total Groundwater CVOCs.

- The concentrations of CVOCs at recovery well DR-1 decreased from March 2023 to May 2023. The CVOC concentration at DR-1 for the May 2023 sampling event is 370.00 ppb, a decrease from the March 2023 value of 570.0 ppb. The current sampling event indicates a decrease in CVOCs at DR-1 of 95.38% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present. Recovery well DR-1 is located in the source area.
- The concentrations of CVOCs at recovery well DR-2 decreased from March 2023 to May 2023. The CVOC concentration at DR-2 for the May 2023 sampling event is 77.00 ppb, a decrease from the March 2023 value of 86.0 ppb. CVOCs at DR-2 have decreased by 95.71% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.
- The concentrations of CVOCs at recovery well DR-3 increased from March 2023 to May 2023. The CVOC concentration at DR-3 for the May 2023 sampling event is 53.00 ppb, an increase from the March 2023 value of 41.0 ppb. The decrease in CVOCs at DR-3 of 97.22% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.
- The concentrations of CVOCs at recovery well DR-4 decreased from March 2023 to May 2023. The CVOC concentration at DR-4 for the May 2023 sampling event is 14.00 ppb, a decrease from the March 2023 value of 15.00 ppb. The current sampling event indicates a decrease in CVOCs at DR-4 of 99.21% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.
- The concentrations of CVOCs at recovery well G-1 increased from March 2023 to May 2023. The CVOC concentration at G-1 for the May 2023 sampling event is 34.50 ppb, an increase from the March 2023 value of 33.50 ppb. The current sampling event indicates a decrease in CVOCs at G-1 of 93.85% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.
- The concentrations of CVOCs at Recovery well G-2 decreased from March 2023 to May 2023. The CVOC concentration at G-2 for the May 2023 sampling event is 24.00 ppb, a decrease from the March 2023 value of 30.0 ppb. The current sampling event indicates a decrease in CVOCs at G-2 of 93.77% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.
- The concentrations of CVOCs at recovery well G-3 increased from March 2023 to May 2023. The CVOC concentration at G-3 for the May 2023 sampling event is 138.00 ppb, an increase from the March 2023 value of 127.0 ppb. The current sampling event indicates an increase in CVOCs at G-3 of 65.76% since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.

Laboratory analytical results are included in Appendix A. Recovery well locations and analytical results are shown on Figure 3 – May 2023 Distribution of Groundwater Analytical Results: Recovery Wells.

4.5 QUALITY ASSURANCE AND QUALITY CONTROL SAMPLES

The VOCs were not detected in the equipment blank or trip blank in May 2023.

A field duplicate (labeled as MW-X) was taken from MW-11. The results of this field duplicate were generally consistent with the results of the sample labeled MW-11 as shown in Tables 2 and 3.

Laboratory analytical results are included in Appendix A.

5.0 REMEDIATION SYSTEM EFFICIENCY

5.1 IMPACT OF THE GTS RECOVERY WELLS

Groundwater analytical charts for the seven (7) sampled recovery wells and the nearest relative monitoring well were created to illustrate the impact of the GTS on recovery wells at the Day Habilitation Center.

Chart 1 compares the sample results from the sampled groundwater recovery wells (DR-1, DR-2, DR-3, DR-4, G-1, G-2, G-3). The GTS operated from May 2005 to 2013. All seven (7) sampled groundwater recovery wells have demonstrated a general decrease in CVOC concentration since activation of the GTS in May 2005, through subsequent deactivation of the GTS in 2013 to present.

Chart 2 displays the relationship between monitoring wells MW-1, MW-11, and recovery well DR-1. The current CVOCs at MW-1 (600.00 ppb) show an increase from the March 2023 sampling event (449.00 ppb). The current CVOCs at MW-11 (355.00 ppb) show an increase from the March 2023 sampling event (304.0 ppb). The current CVOCs at DR-1 (370.00 ppb) shows a decrease from the March 2023 sampling event (570.0 ppb).

Chart 3 compares analytical results between recovery well DR-2 and MW-12. These wells are located north of the wells outlined in Chart 1 and represent the northern limit of the highest concentration within the source area. The current CVOCs at MW-12 (221.00 ppb) show an increase from the March 2023 sampling event (170.0 ppb). The current CVOCs at recovery well DR-2 (77.00 ppb) show a decrease from the March 2023 sampling event (86.0 ppb).

Chart 4 compares the relationship between wells DR-3 and MW-14 which are located in the central portion of the Gowanda Day Habilitation building. The current CVOCs at MW-14 (60.00 ppb) show a decrease from the March 2023 sampling event (63.90 ppb). The current CVOCs at recovery well DR-3 (53.00 ppb) show an increase from the March 2023 sampling event (41.0 ppb).

Chart 5 compares analytical results between recovery well DR-4 and MW-15. These wells are located at the center-north portion of the building. The current CVOCs at MW-15 (6.90 ppb) show an increase from the March 2023 sampling event (non-detect). The current CVOCs at recovery well DR-4 (14.0 ppb) show a decrease from the March 2023 sampling event (15.0 ppb).

Chart 6 compares analytical results between recovery well G-1 and monitoring well MW-17. The recovery well is located in the northern portion of the building and MW-17 is located along the northern property line. The current sampling event CVOCs at recovery well MW-17 (181.00 ppb) showed an increase from the March 2023 sampling event (7.30 ppb). The current CVOCs at recovery well G-1 (34.50 ppb) show an increase from the March 2023 sampling event (33.50 ppb).

Chart 7 compares analytical results between recovery well G-2 and MW-7 which are located in the northeastern portion of the building. This area is at the apparent western perimeter of the plume. Recovery well G-2 had a CVOC concentration of 24.00 ppb, which shows a decrease from the March 2023 sampling event (30.0 ppb). The May 2023 CVOCs of MW-7 (50.00 ppb) show an increase from the March 2023 sampling event (22.0 ppb).

Chart 8 compares analytical results between recovery well G-3 which is located at the northeastern portion of the building and MW-17 which is located along the northern property boundary of the plume. This area is at the western perimeter of the plume. The May 2023 CVOCs at monitoring well MW-17 (181.00 ppb) showed an increase from the March 2023 sampling event (7.30 ppb). The current CVOCs at recovery well G-3 (138.00 ppb) show an increase from the March 2023 sampling event (127.0 ppb).

5.2 EXTENT OF IMPACTED GROUNDWATER

The bulk of the contaminant mass appears to be concentrated beneath the building in the source area, in the vicinity of monitoring well MW-1 and MW-11, extending north to recovery well DR-2. In May 2023, this area has had samples with the highest concentrations of impacted groundwater, consistent with prior sampling events. The concentration of CVOCs in the source area have been reduced as a result of historic cleanup activities.

When operating, the GTS maintained an area of hydraulic containment for recovery wells within the source area of the plume. The GTS was successful in hydraulically containing most of the contaminant plume on the property and minimizing further migration. The GTS was not operating during this monitoring period and overall sample results are similar to previous quarterly sampling results. Therefore, residual CVOCs in the plume have not migrated and appear to be stabilized when compared to sample results with the operation of the GTS during previous monitoring events.

Overall reduction of contaminants in the majority of the monitoring and recovery wells has occurred due to completed remediation at the Site when compared to pre-remediation levels during the past fifteen (15) years of sampling.

5.3 FUTURE GROUNDWATER MONITORING AND ANALYSIS ACTIVITIES

The condition of the SVE and GTS was discussed with the NYSDEC representative, and it was agreed upon that these remediation systems would be deactivated to allow for groundwater level recovery during the implementation of an ISCO groundwater treatment and subsequent sampling events. Bergmann performed an ISCO injection application in May (round 1) and September (round 2) 2015 to address the remaining residual contamination at the Site in lieu of costly repair of the SVE and GTS. The SVE and GTS equipment remains on site in the event that re-activation is required in the future. However, system components may need repair and/or replacement prior to re-activation. The next site-wide groundwater sampling and laboratory analysis event is scheduled for Q3 2023. Future groundwater sampling events will be conducted to track the effects of the ISCO injections on impacted groundwater and to evaluate seasonal changes in water table elevations. In addition, the evaluation of groundwater flow direction and movement of plume at the site will be monitored and recorded during future sampling events.

TABLES

Table 1 Groundwater Elevations and Field Measurements May 2023
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

	Monitoring Wells									
	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10
Casing Elevation*	778.23	778.08	778.38	778.43	778.61	781.10	780.94	781.33	782.61	780.02
Depth to Groundwater (btoc)	6.40	6.10	6.68	7.62	11.20	13.54	13.55	9.79	9.35	7.08
Groundwater Elevation	771.83	771.98	771.70	770.81	767.41	767.56	767.39	771.54	773.26	772.94
Well Diameter	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product Thickness	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	16.02	17.15	16.30	15.78	13.95	22.88	21.80	17.65	20.96	19.44
Bottom of Well Elevation	762.21	760.93	762.08	762.65	764.66	758.22	759.14	763.68	761.65	760.58
Thickness of Water Column	9.62	11.05	9.62	8.16	2.75	9.34	8.25	7.86	11.61	12.36
Minimum Purge Volume (gal)	1.57	1.80	1.57	1.33	0.45	1.52	1.3	1.28	1.89	2.0
3 Volumes	4.70	5.40	4.70	3.99	1.34	4.57	4.03	3.84	5.68	6.04
Actual volume purged	4.75	5.5	4.75	4.0	1.5	4.75	4.25	4.0	5.75	6.25
Comments	Flush = -0.29'	Flush = -0.30'	Flush = -0.23'	Flush = -0.34'	Flush = -0.24'	Stickup=2.17'	Stickup=2.17'	Stickup=2.84'	Stickup=2.05'	Stickup=2.56'

	Monitoring Wells										
	MW-11	MW-12	MW-13	MW-14	MW-15	MW-16	MW-17	MW-18	MW-19R	MW-20	MW-21
Casing Elevation	778.58	778.50	778.39	778.43	778.38	780.43	779.85	776.39	774.2	778.04	774.76
Depth to Groundwater (btoc)	6.48	6.80	7.48	10.84	10.42	13.19	13.43	9.68	8.3	10.18	9.9
Groundwater Elevation	772.10	771.70	770.91	767.59	767.96	767.24	766.42	766.71	765.9	767.86	764.86
Well Diameter	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"	2"
Product Thickness	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	15.48	17.38	17.40	18.15	19.80	23.26	25.18	25.0	17.67	14.75	15.82
Bottom of Well Elevation	763.10	761.12	760.99	760.28	758.58	757.17	754.67	751.39	756.53	763.29	758.94
Thickness of Water Column	9.00	10.58	9.92	7.31	9.38	10.07	11.75	15.32	9.35	4.57	5.92
Minimum Purge Volume (gal)	1.47	1.72	1.62	1.19	1.53	1.6	1.92	2.50	1.5	0.7	1.0
3 Volumes	4.40	5.17	4.85	3.57	4.59	4.92	5.75	7.49	4.57	2.23	2.89
Actual volume purged	4.50	5.25	5.00	3.75	4.75	5.00	5.75	7.75	4.75	2.25	3.00
Comments	Flush = -0.23'	Flush = -0.35'	Flush = -0.48'	Flush = -0.39'	Flush = -0.38	Stickup=2.26'	Stickup=1.18'	Flush =-0.26'	Flush ='0.36'	Flush=-0.43'	Flush =-.71'

	Recovery Wells						
	DR-1	DR-2	DR-3	DR-4	G-1	G-2	G-3
Casing Elevation	779.66	779.93	779.78	779.64	779.83	779.72	779.42
Depth to Groundwater (btoc)	7.68	7.45	11.89	11.80	12.02	11.92	10.39
Groundwater Elevation	771.98	772.48	767.89	767.84	767.81	767.80	769.03
Well Diameter	4"	4"	4"	4"	4"	4"	4"
Product Thickness	ND	ND	ND	ND	ND	ND	ND
Well Depth (btoc)	18.06	18.06	20.45	19.69	22.98	20.72	18.15
Bottom of Well Elevation	761.6	761.87	759.33	759.95	756.85	759	761.27
Thickness of Water Column	10.38	10.61	8.56	7.89	10.96	8.80	7.76
Minimum Purge Volume (gal)	6.78	6.93	5.59	5.15	7.16	5.75	5.07
3 Volumes	20.334	20.78	16.77	15.46	21.47	17.24	15.20
Actual volume purged	20.5	21	17.0	15.50	21.5	17.25	15.25
Comments	Stickup=0.85'	Stickup=1.06'	Stickup=0.95'	Stickup=0.84'	Stickup=1.03'	Stickup=0.86'	Vaulted well

NOTES

btoc = Below top of casing (inner riser) All measurements are in feet, referenced to Mean Sea Level
NS = Not Sampled
ND = No floating product encountered
Minimum purge volume = 3 X well volume, 0.163 gallon per foot in a 2" diameter well. 0.653 gallon per foot in a 4" diameter well.
Monitoring well MW-19 was removed and the area restored on July 23, 2003 immediately after the well was developed, purged of 3 volumes and sampled.
The borehole for MW-19 was backfilled with a cement-bentonite grout after the PVC screening and casing was successfully removed.
Wells MW-19R, MW-20 and MW-21 were installed in October 2004.

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-1 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	Mar 2023	May 2023	NYS Guidance Value
TCE	**400.00**	**380.00**	5.0
CIS	**49.00**	**220.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**449.00**	**600.00**	

Monitoring Well MW-2 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-3 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-4 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	Mar 2023	May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-5 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-6 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**34.00**	**34.00**	5.0
TRANS	ND	ND	5.0
VC	**28.00**	**25.00**	2.0
TCA	ND	ND	5.0
Total VOCs	**62.00**	**59.00**	

ND = Non-detect
Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-7 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**22.00**	**50.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**22.00**	**50.00**	

Monitoring Well MW-8 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-9 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-10 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-11 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**230.00**	**220.00**	5.0
CIS	**74.00**	**120.00**	5.0
TRANS	ND	**9.30**	5.0
VC	ND	**5.70**	2.0
TCA	ND	ND	5.0
Total VOCs	**304.00**	**355.00**	

Monitoring Well MW-12 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**20.00**	**41.00**	5.0
CIS	**150.00**	**180.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**170.00**	**221.00**	

ND = Non-detect
Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-13 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-14 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**7.9**	**8.00**	5.0
CIS	**56.0**	**52.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**63.9**	**60.00**	

Monitoring Well MW-15 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	**6.90**	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	**6.90**	

Monitoring Well MW-16 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**23.00**	**33.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**23.00**	**33.00**	

Monitoring Well MW-17 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**7.30**	**11.00**	5.0
CIS	ND	**170.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**7.30**	**181.00**	

Monitoring Well MW-18 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	**6.30**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	**6.30**	

ND = Non-detect
Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Monitoring Well MW-19R Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2022	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-20 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

Monitoring Well MW-21 Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'Mar 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**5.20**	**5.80**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**5.20**	**5.80**	

ND = Non-detect Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well DR-1 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**470.00**	**270.00**	5.0
CIS	**100.00**	**100.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**570.00**	**370.00**	

Recovery Well DR-2 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**19.00**	**15.00**	5.0
CIS	**67.00**	**62.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**86.00**	**77.00**	

Recovery Well DR-3 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**19.00**	**18.00**	5.0
CIS	**22.00**	**35.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**41.00**	**53.00**	

Recovery Well DR-4 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**15.00**	**14.00**	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**15.00**	**14.00**	

Recovery Well G-1 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**7.50**	**6.50**	5.0
CIS	**26.00**	**28.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**33.50**	**34.50**	

Recovery Well G-2 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	**30.00**	**24.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**30.00**	**24.00**	

ND = Non-detect
Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 2 May 2023 Analytical Results Summary
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

Recovery Well G-3 Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	**17.00**	**18.00**	5.0
CIS	**110.00**	**120.00**	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	**127.00**	**138.00**	

Duplicate Blank (MW-11) Sample Date: 5/18/2023
Sampling Events

Analyte in ppb	'May 2023	NYS Guidance Value
TCE	**210.00**	5.0
CIS	**120.00**	5.0
TRANS	**9.00**	5.0
VC	**5.60**	2.0
TCA	ND	5.0
Total VOCs	**344.60**	

Equipment Blank Sample Date: 5/19/2023
Sampling Events

Analyte in ppb	'Mar 2023	'May 2023	NYS Guidance Value
TCE	ND	ND	5.0
CIS	ND	ND	5.0
TRANS	ND	ND	5.0
VC	ND	ND	2.0
TCA	ND	ND	5.0
Total VOCs	ND	ND	

ND = Non-detect Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.
NS = Not Sampled. No analysis performed during this sampling event.
Results expressed as parts per billion (ppb).
Bold results exceed NYSDEC TOGS 1.1.1 Class GA, June 1998 re-issue (MTBE = April 2000 Addendum Guidance Value)

Table 3 Historic Groundwater Analysis Results Summary
Gowanda Dav Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

MONITORING WELLS

Monitoring Well Number	Total VOCs May 2023 (ppb)	Total VOCs Mar 2023 (ppb)	Total VOCs Dec 2022 (ppb)	Total VOCs Sep 2022 (ppb)	Total VOCs Jun 2022 (ppb)	Total VOCs Mar 2022 (ppb)	Total VOCs Nov 2021 (ppb)	Total VOCs Sep 2021 (ppb)	Total VOCs Mar 2021 (ppb)	Total VOCs Nov 2020 (ppb)	Total VOCs July 2020 (ppb)	Total VOCs June 2020 (ppb)	Total VOCs Feb 2020 (ppb)	Total VOCs Oct 2019 (ppb)	Total VOCs Aug 2019 (ppb)	Total VOCs July 2019 (ppb)	Total VOCs Nov 2018 (ppb)	Total VOCs Aug 2018 (ppb)	Total VOCs May 2018 (ppb)	Total VOCs April 2018 (ppb)	Total VOCs Nov 2017 (ppb)	Total VOCs Aug 2017 (ppb)	Total VOCs Nov 2016 (ppb)	Total VOCs Sep 2016 (ppb)	Total VOCs Jun 2016 (ppb)	Total VOCs Nov 2015 (ppb)	Total VOCs Aug 2015 (ppb)	Total VOCs Jun 2015 (ppb)	Total VOCs Mar 2015 (ppb)	Total VOCs Nov 2014 (ppb)	Total VOCs Sep 2014 (ppb)	Total VOCs Jun 2014 (ppb)	Total VOCs Mar 2014 (ppb)	Total VOCs Dec 2013 (ppb)	Total VOCs Jul 2013 (ppb)	Total VOCs Apr 2013 (ppb)	Total VOCs Dec 2012 (ppb)	Total VOCs Jun 2012 (ppb)	Total VOCs Mar 2012 (ppb)
MW-1	600.00	449.00	869.60	1,002.30	529.40	382.59	980.46	404.62	928.90	344.70	1,020.00	991.80	993.50	1,009.00	698.00	1,081.00	1,080.00	1,190.00	1,110.00	374.00	1,013.00	1,210.00	1,467.00	838.00	580.00	1,530.00	1,470.00	350.00	430.00	300.00	420.00	990.00	990.00	1,740.00	830.00	910.00	1,440.00	528.00	889.00
MW-2	ND	ND	0.33	ND	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	0.28	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	ND	ND	0.20	1.14	1.04	0.25	ND	ND	1.31	1.14	ND	0.30	ND	ND	0.28	0.39	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-5	ND	ND	0.69	0.75	1.00	0.60	1.20	1.50	0.79	1.60	ND	0.51	0.42	0.47	0.52	0.90	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	59.00	62.00	100.00	184.00	89.00	92.21	112.00	95.00	78.00	81.20	66.00	79.41	64.80	99.10	92.64	86.63	81.00	84.00	77.00	76.00	100.00	91.00	87.00	120.00	100.00	120.00	96.00	86.00	81.00	110.00	110.00	96.00	94.00	130.00	99.00	93.00	99.00	86.70	85.70
MW-7	50.00	22.00	23.87	8.76	30.26	33.06	29.15	102.37	94.74	173.67	ND	73.89	1.16	55.58	39.00	27.83	ND	ND	ND	ND	5.80	29.00	110.00	62.00	83.00	49.00	130.00	58.00	ND	180.00	190.00	29.00	ND	ND	18.00	ND	ND	151.56	30.50
MW-8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-11	355.00	304.00	291.40	350.00	200.10	420.60	495.40	386.90	490.70	546.50	584.00	1,274.00	604.50	699.30	937.40	1,059.00	489.30	282.00	489.00	1,160.00	470.00	525.00	646.00	445.00	550.00	1,060.00	630.00	444.00	500.00	451.00	375.00	450.00	710.00	880.00	510.00	570.00	790.00	498.00	617.00
MW-12	221.00	170.00	93.65	78.30	168.10	271.90	125.40	65.86	65.88	60.05	84.00	147.03	116.54	54.00	54.48	79.00	53.00	25.00	100.00	113.00	31.00	40.00	7.10	7.80	15.80	28.80	52.00	97.00	120.00	126.00	136.00	200.00	212.00	173.00	149.30	186.60	142.00	86.50	148.22
MW-13	ND	ND	2.06	0.96	2.06	5.11	1.83	0.95	2.40	1.34	ND	2.70	3.40	2.10	0.50	1.38	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-14	60.00	63.90	52.30	91.90	31.00	104.45	91.86	84.40	20.80	63.40	13.00	18.20	34.00	33.00	26.50	25.90	30.70	22.30	22.80	28.00	38.00	22.10	76.00	100.00	57.00	81.00	96.00	52.00	99.00	68.00	68.00	54.00	73.00	94.00	49.00	71.00	47.00	39.70	76.60
MW-15	6.90	ND	5.20	3.70	14.10	9.40	15.60	24.80	2.60	25.80	ND	5.00	2.90	7.60	8.10	4.90	ND	6.50	ND	ND	ND	7.40	11.00	23.80	11.00	9.90	14.00	8.10	9.80	32.00	31.00	6.10	ND	6.80	7.00	ND	12.90	26.26	6.25
MW-16	33.00	23.00	26.66	9.72	41.79	35.02	31.75	22.56	14.32	11.29	13.00	37.43	25.62	7.11	31.53	37.61	41.00	10.00	41.00	43.00	32.00	36.00	14.00	20.00	37.00	31.00	13.00	6.80	ND	5.20	9.40	21.00	24.00	20.00	8.40	24.00	18.00	4.36	12.20
MW-17	181.00	7.30	226.32	172.22	NS	85.32	85.27	230.86	173.60	271.20	295.00	266.20	16.20	193.01	342.00	277.00	218.00	265.00	112.50	5.10	222.00	396.00	375.00	465.00	425.00	460.00	410.00	NS	336.00	394.00	410.00	339.00	167.00	420.00	400.00	21.30	430.00	381.00	260.10
MW-18	6.30	ND	5.94	7.01	9.43	3.88	6.42	6.33	1.55	7.13	ND	2.27	0.73	1.60	3.10	2.80	ND	ND	ND	ND	6.30	ND	10.00	26.00	6.90	ND	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	16.60	2.33
MW-19R	ND	ND	ND	0.22	0.32	0.30	0.29	0.34	0.50	0.36	ND	0.26	0.19	0.28	0.60	NS	NS	NS	NS	NS	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.50	ND	ND
MW-20	ND	ND	ND	ND	ND	ND	ND	0.35	ND	0.88	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
MW-21	5.80	5.20	16.35	25.48	6.35	7.76	15.27	19.16	5.60	32.04	11.00	5.90	23.50	24.49	18.33	NS	NS	NS	NS	NS	NS	NS	17.00	39.00	8.70	20.00	20.00	10.00	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-X (DUP)	344.60	567.00	281.30	215.80	1.20	109.45	6.50	ND	152.40	100.46	13.00	2.40	3.30	1,118.90	1,118.90	914.60	ND	ND	434.00	NS	490.00	DWS	1,705.00	879.00	550.00	1,720.00	410.00	360.00	407.00	300.00	400.00	870.00	990.00	1,850.00	540.00	186.80	1,450.00	521.00	913.00
EB	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

RECOVERY WELLS

Recovery Well Number	Total VOCs May 2023 (ppb)	Total VOCs Mar 2023 (ppb)	Total VOCs Dec 2022 (ppb)	Total VOCs Sep 2022 (ppb)	Total VOCs Jun 2022 (ppb)	Total VOCs Mar 2022 (ppb)	Total VOCs Nov 2021 (ppb)	Total VOCs Sep 2021 (ppb)	Total VOCs Mar 2021 (ppb)	Total VOCs Nov 2020 (ppb)	Total VOCs July 2020 (ppb)	Total VOCs June 2020 (ppb)	Total VOCs Feb 2020 (ppb)	Total VOCs Oct 2019 (ppb)	Total VOCs Aug 2019 (ppb)	Total VOCs July 2019 (ppb)	Total VOCs Nov 2018 (ppb)	Total VOCs August 2018 (ppb)	Total VOCs May 2018 (ppb)	Total VOCs April 2018 (ppb)	Total VOCs Nov 2017 (ppb)	Total VOCs Aug 2017 (ppb)	Total VOCs Nov 2016 (ppb)	Total VOCs Sep 2016 (ppb)	Total VOCs Jun 2016 (ppb)	Total VOCs Nov 2015 (ppb)	Total VOCs Aug 2015 (ppb)	Total VOCs Jun 2015 (ppb)	Total VOCs Mar 2015 (ppb)	Total VOCs Nov 2014 (ppb)	Total VOCs Sep 2014 (ppb)	Total VOCs Jun 2014 (ppb)	Total VOCs Mar 2014 (ppb)	Total VOCs Dec 2013 (ppb)	Total VOCs Jul 2013 (ppb)	Total VOCs Apr 2013 (ppb)	Total VOCs Dec 2012 (ppb)	Total VOCs Jun 2012 (ppb)	Total VOCs Mar 2012 (ppb)
DR-1	370.00	570.00	940.40	225.80	341.00	663.50	598.60	98.05	485.30	117.80	909.00	1222.00	1123.60	912.60	1038.00	1832.00	1310.00	1510.00	1319.00	1070.00	1540.00	1970.00	617.00	610.00	910.00	319.00	160.00	NS	21.70	63.00	55.00	75.00	132.00	87.00	73.00	82.00	43.00	29.38	673.00
DR-2	77.00	86.00	214.90	128.70	100.15	129.15	251.30	162.40	144.20	111.60	116.00	129.70	137.80	185.90	192.00	156.00	216.00	162.00	128.00	130.00	181.00	199.00	137.00	218.00	215.00	199.00	187.00	291.00	259.00	162.00	224.00	231.00	207.00	302.00	256.00	293.00	19.00	229.90	305.30
DR-3	53.00	41.00	69.30	76.05	85.71	75.20	94.88	85.26	66.77	81.73	63.00	81.80	67.70	99.70	101.00	91.00	73.00	87.00	125.40	34.00	48.00	NS	98.00	154.00	62.00	45.00	76.00	83.00	55.00	181.00	210.00	83.00	89.00	123.00	62.00	73.00	42.00	116.96	24.90
DR-4	14.00	15.00	28.10	31.25	24.40	29.00	34.60	34.10	31.90	42.34	29.90	30.50	32.40	40.60	46.60	40.00	37.20	48.00	31.20	31.60	46.00	52.00	79.00	95.00	63.00	94.00	110.00	71.00	147.00	156.00	148.00	96.00	64.00	68.00	79.00	37.00	90.00	122.60	ND
G-1	34.50	33.50	53.85	87.50	41.98	47.21	53.68	51.83	45.82	100.60	53.00	37.60	50.10	70.00	78.70	50.40	74.60	77.00	40.00	22.00	70.00	73.50	85.00	105.60	59.70	80.30	ND	68.00	146.00	101.00	105.00	90.00	78.00	96.20	69.10	55.80	52.60	68.55	65.58
G-2	24.00	30.00	44.58	33.91	67.69	45.35	52.67	45.40	64.38	37.46	54.00	30.90	18.80	90.49	90.00	69.00	25.00	68.00	50.00	46.00	8.50	NS	NS	ND	NS	NS	28.00	NS	48.00	34.00	37.00	52.00	14.00	68.00	81.00	50.00	132.20	75.30	41.90
G-3	138.00	127.00	182.89	182.69	160.51	153.75	185.80	226.09	177.73	236.35	235.00	272.36	335.52	305.34	309.65	309.65	15.00	322.00	NS	NS	NS	NS	293.00	404.00	420.00	262.00	370.00	NS	NS	NS	NS	NS	82.00	NS	11.00	25.00	41.60	147.30	44.20

NS= This well not included in this sampling event.
ND = Not Detected. results less than Method Detection Limit.
Impacted north property line wells: MW-5. MW-6. MW-7. MW-16. MW-17. MW-21
All compounds are measured in parts per billion (ppb).
VOC - Volatile Organic Compounds.
DUP - Duplicate Sample
EB - Equipment/Field Blank Sample
* - Sample was broken in transit and not able to be analyzed
DWS- Different Well Sampled than previously tested.

Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Table 4 Percent Reductions in Total Groundwater VOCs
Gowanda Day Habilitation Center
4 Industrial Place, Gowanda, New York
VCA # V-00463-9

The Groundwater Treatment System was activated in May 2005

Monitoring Well	% Reduction 2002 to May 2023	% Reduction 2002 to March 2023	% Reduction 2002 to December 2022	% Reduction 2002 to September 2022	% Reduction 2002 to June 2022	% Reduction 2002 to March 2022	% Reduction 2002 to November 2021	% Reduction 2002 to September 2021	% Reduction 2002 to March 2021	% Reduction 2002 to November 2020	% Reduction 2002 to July 2020	% Reduction 2002 to Jun 2020	% Reduction 2002 to Feb 2020	% Reduction 2002 to Oct 2019	% Reduction 2002 to Aug 2019	% Reduction 2002 to July 2019	% Reduction 2002 to Nov 2018	% Reduction 2002 to Aug 2018
MW-1†	21.88%	41.54%	-13.23%	-30.51%	31.07%	50.18%	-27.66%	47.32%	-20.95%	55.12%	-32.81%	-29.14%	-29.36%	-31.4%	9.11%	-40.76%	-40.6%	-54.9%
MW-2	100.00%	100.00%	98.57%	100.00%	100.00%	100%	100%	100%	100%	99%	100%	100%	100%	100%	98.78%	100%	100%	100%
MW-3	100.00%	100.00%	98.67%	92.40%	93.07%	98.33%	100.00%	100%	91%	92%	100%	98%	100%	100%	98.13%	97.40%	100%	100%
MW-4	100.00%	100.00%	100.00%	100.00%	NS	100%	100%	100%	100%	100%	100%	100%	100%	100%	100.0%	100%	100%	100%
MW-5	100.00%	100.00%	95.07%	94.64%	92.86%	95.71%	91.43%	89.29%	94%	89%	100%	96%	97%	96.64%	96.29%	93.57%	100%	100%
MW-6	85.47%	84.73%	75.37%	54.68%	78.08%	77.29%	72.41%	76.60%	80.79%	80.00%	83.74%	80.44%	84.04%	75.59%	77.18%	78.66%	100%	-83.3%
MW-7	88.89%	95.11%	94.70%	98.05%	93.28%	92.65%	93.52%	77.25%	78.95%	61.41%	100.00%	83.58%	99.74%	87.65%	91.33%	93.82%	80.0%	79.3%
MW-8	100.00%	100.00%	100.00%	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-9	100.00%	100.00%	100.00%	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-10	100.00%	100.00%	100.00%	100.00%	100.00%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
MW-11	92.36%	93.46%	93.73%	92.47%	95.69%	90.95%	89.34%	91.67%	89.44%	88.24%	87.43%	72.57%	86.99%	84.95%	79.83%	77.21%	89.5%	93.9%
MW-12	98.25%	98.66%	99.26%	99.38%	98.67%	97.85%	99%	99.48%	99.48%	99.53%	99.34%	98.85%	99.08%	99.57%	99.57%	99.38%	99.6%	99.8%
MW-13	100.00%	100.00%	99.35%	99.70%	99.35%	98.38%	99.42%	99.70%	99.24%	99.57%	100.00%	99.14%	98.92%	99.33%	99.84%	99.56%	100%	100%
MW-14	80.95%	79.73%	83.40%	70.83%	90.16%	66.86%	70.86%	73.21%	93.40%	79.87%	95.87%	94.22%	89.21%	89.52%	91.59%	91.78%	90.3%	92.9%
MW-15	99.05%	100.00%	99.29%	99.49%	98.07%	98.71%	97.86%	96.60%	99.64%	96.47%	100.00%	99.32%	99.60%	98.89%	98.89%	99.33%	100%	99.1%
MW-16*	13.16%	39.47%	29.84%	74.42%	-9.97%	7.84%	16.45%	40.63%	62.32%	70.29%	65.79%	96.66%	98.07%	86.11%	38.42%	26.54%	19.9%	80.5%
MW-17*	77.65%	99.10%	72.06%	78.74%	NS	89.47%	89.47%	71.50%	78.56%	66.52%	63.58%	73.67%	98.40%	80.91%	66.17%	72.60%	78.4%	73.8%
MW-18*	96.04%	100.00%	96.26%	95.59%	94.06%	97.56%	95.96%	96.02%	99.03%	95.52%	100.00%	99.42%	99.81%	62.50%	99.21%	99.29%	100%	100%
MW-19 R*	100.00%	100.00%	100.00%	97.8%	96.80%	97.9%	97.93%	97.57%	96.43%	97.43%	100.00%	98.14%	98.64%	98.00%	95.71%	Not Sampled	Not Sampled	Not Sampled
MW-20**	100.00%	100.00%	100.00%	100.00%	100.00%	100%	100%	97.94%	100%	95%	100.00%	98%	99%	100%	100%	100%	100%	100%
MW-21**	98.7%	98.81%	96.3%	94.2%	98.54%	98.2%	96.5%	95.61%	98.72%	92.65%	97.48%	98.65%	94.61%	94.38%	95.80%	Not Sampled	Not Sampled	Not Sampled
* Well installed 2003																		
** Well Installed 2004																		
Site-Wide reduction:	88.21%	91.93%	86.60%	86.28%	86.83%	88.47%	84.88%	88.11%	87.65%	88.44%	88.59%	88.48%	91.11%	86.8%	87.42%	83.6%	85.1%	78.0%
Sentry Well Reduction:	100.00%	100.00%	100.00%	99.27%	98%	99%	99.31%	98.50%	98.81%	97.42%	100%	98.76%	99.10%	99.33%	99%	100.00%	100.00%	100.00%
Impacted Groundwater Plume Area Only:	80.56%	86.54%	75.57%	70.39%	83.57%	83.00%	73.10%	79.20%	74.9%	78.4%	74.64%	71.41%	75.61%	72.11%	78.21%	71.5%	74.6%	72.1%

Monitoring Well	% Reduction 2002 to May 2018	% Reduction 2002 to April 2018	% Reduction 2002 to Nov 2017	% Reduction 2002 to Aug 2017	% Reduction 2002 to Nov 2016	% Reduction 2002 to Sep 2016	% Reduction 2002 to Jun 2016	% Reduction 2002 to Nov 2015	% Reduction 2002 to Aug 2015	% Reduction 2002 to Jun 2015	% Reduction 2002 to Mar 2015	% Reduction 2002 to Nov 2014	% Reduction 2002 to Sep 2014	% Reduction 2002 to Jun 2014	% Reduction 2002 to Mar 2014	% Reduction 2002 to Dec 2013	% Reduction 2002 to Jul 2013	% Reduction 2002 to Apr 2013	% Reduction 2002 to Dec 2012
MW-1†	-44.5%	51.3%	-39.90%	-57.6%	-48.0%	-9.1%	24.5%	-99.2%	-91.4%	54.4%	44.0%	60.9%	45.3%	-28.9%	-28.9%	-126.6%	-8.1%	-19.5%	-87.5%
MW-2	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-3	100%	100%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-4	100%	100%	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.00%
MW-5	100%	100%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-6	15.4%	15.4%	-84.60%	15.4%	81.3%	70.4%	75.4%	70.4%	76.4%	78.8%	80.0%	72.9%	72.9%	76.4%	76.8%	68.0%	75.6%	77.1%	75.6%
MW-7	100.0%	81.3%	98.70%	93.6%	75.6%	86.2%	81.6%	89.1%	71.1%	87.1%	100.0%	60.0%	57.8%	93.6%	100.0%	100.0%	96.0%	100.0%	100.0%
MW-8	100%	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-9	100%	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-10	100%	100%	100%	100.0%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-11	89.5%	75.0%	89.20%	99.1%	86.1%	90.4%	88.2%	77.2%	86.4%	90.4%	89.2%	90.3%	91.9%	90.3%	84.7%	81.1%	89.0%	87.7%	83.0%
MW-12	99.2%	99.1%	99.80%	75.0%	99.9%	99.9%	99.9%	99.8%	99.6%	99.2%	99.1%	99.0%	98.4%	98.4%	98.3%	98.6%	98.8%	98.5%	98.9%
MW-13	100%	100%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
MW-14	92.8%	91.1%	87.90%	2.3%	75.9%	68.3%	81.9%	74.3%	69.5%	83.5%	68.6%	78.4%	78.4%	82.9%	76.8%	70.2%	84.4%	77.5%	85.1%
MW-15	100%	100%	100%	99.0%	98.5%	96.7%	98.5%	98.6%	98.1%	98.9%	98.7%	95.6%	95.8%	99.2%	100.0%	99.1%	99.0%	100.0%	98.2%
MW-16*	19.9%	2.3%	2.80%	2.3%	72.7%	60.9%	27.7%	39.5%	74.6%	86.7%	100.0%	89.8%	81.6%	59.0%	53.1%	60.9%	77.9%	36.8%	52.6%
MW-17*	88.9%	99.5%	78*	2.3%	62.9%	54.0%	58.0%	54.5%	59.4%	Not Sampled	66.8%	61.0%	59.4%	66.5%	83.5%	58.5%	50.6%	97.4%	46.9%
MW-18*	100%	100%	100%	100.0%	97.4%	93.4%	98.2%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	Not Sampled	100.0%	100.0%	100.0%
MW-19 R*	Not Sampled	Not Sampled	Not Sampled	Not Sampled	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	75.0%
MW-20**	100%	100%	100%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.4%
MW-21**	Not Sampled	Not Sampled	Not Sampled	Not Sampled	34.6%	-50.0%	66.5%	23.1%	23.1%	61.5%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled
* Well installed 2003																			
** Well Installed 2004																			
Site-Wide reduction:	82.2%	84.2%	67.60%	62.1%	74.1%	68.7%	78.6%	66.2%	69.1%	87.7%	88.2%	85.2%	83.2%	79.8%	80.3%	67.5%	81.8%	81.2%	71.3%
Sentry Well Reduction:	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	91.47%
Impacted Groundwater Plume Area Only:	67.6%	76.6%	51.40%	41.1%	66.5%	69.6%	76.0%	58.1%	58.6%	84.6%	80.8%	77.3%	75.0%	72.3%	73.9%	82.2%	73.2%	77.3%	62.5%

Monitoring Well	% Reduction 2002 to Jun 2012	% Reduction 2002 to Mar 2012	% Reduction 2002 to Sep 2011	% Reduction 2002 to Jun 2011	% Reduction 2002 to Mar 2011	% Reduction 2002 to Dec 2010	% Reduction 2002 to Sep 2010	% Reduction 2002 to Jun 2010	% Reduction 2002 to Jan 2010	% Reduction 2002 to Jul 2009	% Reduction 2002 to Feb 2009	% Reduction 2002 to Sep 2008	% Reduction 2002 to Jun 2008	% Reduction 2002 to Mar 2008	% Reduction 2002 to Sept 2007	% Reduction 2002 to May 2007	% Reduction 2002 to Oct 2006	% Reduction 2002 to Nov 2005
MW-1†	31.3%	-15.8%	42.4%	-71.6%	24.1%	26.6%	15.5%	-1.3%	15.8%	-44.2%	11.8%	-12.0%	8.2%	-90.5%	-92.8%	-166.4%	-130.3%	-46.9%
MW-2	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	99.6%	Not Sampled	99.6%	99.6%	99.6%	99.6%	99.6%
MW-3	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	99.3%	84.0%	99.3%	99.3%	99.3%
MW-4	100.0%	100.0%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%	97.4%
MW-5	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	99.3%	75.6%	99.3%	99.3%	63.4%
MW-6	78.6%	78.9%	75.1%	80.5%	82.0%	79.9%	73.6%	76.4%	81.3%	77.1%	78.4%	72.2%	69.7%	74.1%	57.9%	62.8%	57.4%	42.6%
MW-7	66.3%	93.2%	53.5%	84.2%	95.0%	87.1%	64.3%	74.6%	96.6%	52.7%	79.5%	22.7%	45.8%	56.3%	20.0%	26.7%	6.7%	-1.3%
MW-8	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	92.9%	92.9%	Not Sampled	92.9%	92.9%
MW-9	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	97.6%	97.6%	Not Sampled	97.6%	97.6%
MW-10	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	96.2%	96.2%	Not Sampled	96.2%	96.2%
MW-11	89.3%	86.7%	89.1%	84.5%	86.6%	87.3%	86.4%	83.5%	83.3%	86.5%	83.0%	90.6%	87.8%	78.0%	91.4%	74.4%	44.0%	76.3%
MW-12	99.3%	98.8%	99.3%	98.7%	99.3%	99.3%	99.2%	98.7%	98.1%	99.4%	97.8%	99.5%	98.7%	98.7%	98.4%	96.6%	91.4%	62.2%
MW-13	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	100.0%	Not Sampled	100.0%	99.4%	100.0%	100.0%	100.0%
MW-14	87.4%	75.7%	75.5%	66.7%	89.9%	92.3%	87.6%	79.3%	85.9%	87.1%	88.9%	94.3%	87.9%	90.7%	67.2%	66.1%	6.7%	55.6%
MW-15	96.4%	99.1%	95.6%	97.8%	99.1%	97.7%	91.5%	96.9%	98.3%	91.1%	99.3%	84.5%	89.4%	97.5%	79.5%	91.7%	79.5%	62.9%
MW-16*	88.5%	67.9%	84.0%	39.2%	23.9%	81.0%	93.3%	99.7%	94.2%	42.1%	41.6%	57.4%	43.9%	77.5%	35.0%	-57.9%	-34.7%	-72.1%
MW-17*	53.0%	67.9%	44.6%	72.2%	96.7%	94.1%	61.4%	71.3%	97.7%	71.8%	99.5%	10.1%	26.0%	24.7%	-11.5%	4.1%	-24.8%	-24.2%
MW-18*	89.6%	98.5%	81.9%	91.3%	96.0%	88.7%	74.4%	82.7%	96.0%	-23.3%	91.8%	-50.0%	27.6%	64.8%	-352.2%	-178.0%	-146.5%	-135.8%
MW-19 R*	99.0%	99.0%	99.0%	99.0%	99.0%	99.0%	73.3%	99.0%	99.0%	57.3%	99.0%	-36.7%	-5.7%	99.0%	-120.8%	73.6%	-14.0%	-102.0%
MW-20**	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%	99.4%
MW-21**	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	67.5%	Not Sampled	96.7%	-22.2%	27.1%	94.0%	-13.7%
* Well installed 2003																		
** Well Installed 2004																		
Site-Wide reduction:	82.9%	80.7%	79.7%	72.2%	83.7%	86.9%	78.3%	81.4%	87.9%	61.1%	82.1%	56.0%	59.7%	78.5%	32.9%	39.8%	43.4%	35.7%
Sentry Well Reduction:	99.47%	99.47%	98.59%	98.59%	98.59%	98.59%	90.03%	98.59%	98.59%	84.69%	98.59%	53.36%	63.69%	98.59%	25.33%	90.13%	60.93%	31.59%
Impacted Groundwater Plume Area Only:	75.2%	73.1%	71.9%	64.1%	84.1%	83.0%	72.5%	72.4%	82.1%	65.2%	79.8%	57.7%	64.2%	53.7%	38.8%	32.0%	16.3%	28.4%

Plume Area = MW-1, MW-11, MW-12, MW-14, MW-15, MW-7, MW-17, MW-6

% reduction = percent reduction in total Volatile Organic Compounds (VOCs) since groundwater monitoring was initiated

†Negative values indicate an increase in total VOCs since monitoring commenced in 2002. The percent increase in total groundwater VOCs is shown below for MW-1.

Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

Recovery Well	% Reduction 2002 to May 2023	% Reduction 2002 to March 2023	% Reduction 2002 to December 2022	% Reduction 2002 to September 2022	% Reduction 2002 to June 2022	% Reduction 2002 to March 2022	% Reduction 2002 to November 2021	% Reduction 2002 to September 2021	% Reduction 2002 to March 2021	% Reduction 2002 to November 2020	% Reduction 2002 to July 2020	% Reduction 2002 to Jun 2020	% Reduction 2002 to Feb 2020	% Reduction 2002 to Oct 2019	% Reduction 2002 to Aug 2019	% Reduction 2002 to July 2019	% Reduction 2002 to Nov 2018	% Reduction 2002 to Aug 2018
DR-1	95.38%	92.88%	88.25%	97.18%	95.74%	91.71%	92.52%	98.77%	93.93%	98.53%	88.64%	-113.39%	-95.95%	-59.16%	-81.03%	-219.50%	-128.5%	-163.3%
DR-2	96.16%	95.71%	89.27%	93.57%	95.00%	93.55%	87.45%	91.89%	92.80%	94.43%	94.21%	76.38%	74.91%	66.15%	65.04%	71.60%	60.7%	70.5%
DR-3	96.41%	97.22%	95.31%	94.85%	94.16%	94.87%	93.53%	94.19%	95.48%	94.46%	95.73%	46.36%	55.61%	34.62%	33.77%	40.33%	52.1%	43.0%
DR-4	99.21%	99.15%	98.41%	98.23%	98.62%	98.36%	98.04%	98.07%	98.19%	97.60%	98.31%	96.45%	96.23%	95.27%	94.58%	95.34%	95.7%	94.4%
G-1	93.66%	93.85%	90.11%	83.93%	92.29%	91.33%	90.14%	90.48%	91.58%	81.52%	90.27%	81.27%	75.05%	65.14%	60.81%	74.90%	62.8%	61.7%
G-2	93.77%	92.21%	88.42%	91.19%	82.42%	88.22%	86.32%	88.21%	83.28%	90.26%	85.97%	89.10%	93.37%	68.07%	68.24%	75.65%	91.2%	76.0%
G-3	65.76%	68.49%	54.62%	54.67%	60.17%	61.85%	53.90%	43.90%	55.90%	41.35%	41.69%	32.42%	16.74%	24.23%	24.23%	23.19%	96.3%	20.1%
Overall Reduction	91.48%	91.36%	86.34%	87.66%	88.34%	88.56%	85.99%	86.50%	87.31%	85.45%	84.97%	44.08%	45.14%	42.05%	37.95%	23.07%	47.2%	28.9%

Recovery Well	% Reduction 2002 to May 2018	% Reduction 2002 to April 2018	% Reduction 2002 to Nov 2017	% Reduction 2002 to Aug 2017	% Reduction 2002 to Nov 2016	% Reduction 2002 to Sep 2016	% Reduction 2002 to Jun 2016	% Reduction 2002 to Nov 2015	% Reduction 2002 to Aug 2015	% Reduction 2002 to Jun 2015	% Reduction 2002 to Mar 2015	% Reduction 2002 to Nov 2014	% Reduction 2002 to Sep 2014	% Reduction 2002 to Jun 2014	% Reduction 2002 to Mar 2014	% Reduction 2002 to Dec 2013	% Reduction 2002 to Jul 2013	% Reduction 2002 to Apr 2013	% Reduction 2002 to Dec 2012
DR-1	-130.0%	-86.6%	-243.6%	-243.6%	-7.6%	-6.4%	-58.7%	44.4%	72.1%	Not Sampled	96.2%	89.0%	90.4%	86.9%	77.0%	84.8%	99.1%	99.0%	99.5%
DR-2	76.7%	76%	63.8%	63.8%	75.1%	60.3%	60.9%	63.8%	66.0%	47.0%	52.8%	70.5%	59.2%	58.0%	62.3%	45.0%	87.2%	85.4%	99.1%
DR-3	17.8%	78%	68.5%	Not Sampled	35.7%	-1.0%	59.3%	70.5%	50.2%	45.6%	63.9%	-18.7%	-37.7%	45.6%	41.6%	19.3%	95.8%	95.1%	97.2%
DR-4	96.4%	96%	93.9%	93.9%	90.8%	88.9%	92.7%	89.1%	87.2%	91.7%	82.9%	81.8%	82.8%	88.8%	92.5%	90.8%	95.5%	97.9%	94.9%
G-1	80.1%	80%	74.1%	74.1%	57.7%	47.4%	92.7%	60.0%	100.0%	66.1%	27.3%	49.8%	47.7%	55.0%	61.3%	65.6%	87.3%	89.8%	90.3%
G-2	82.4%	84%	100.0%	Not Sampled	Not Sampled	100.0%	Not Sampled	Not Sampled	90.1%	Not Sampled	83.1%	88.0%	86.9%	81.7%	95.1%	71.4%	79.0%	87.0%	65.7%
G-3	Not Sampled	Not Sampled	Not Sampled	Not Sampled	27.3%	-0.2%	-4.2%	35.0%	8.2%	Not Sampled	Not Sampled	Not Sampled	Not Sampled	Not Sampled	79.7%	NA	NA	NA	NA
Overall Reduction	37.2%	54.6%	60.4%	40.4%	46.5%	41.3%	40.4%	60.4%	67.7%	62.6%	67.7%	60.1%	54.9%	69.3%	72.8%	62.8%	90.7%	92.3%	91.1%

Recovery Well	% Reduction 2002 to Jun 2012	% Reduction 2002 to Mar 2012	% Reduction 2002 to Sep 2011	% Reduction 2002 to Jun 2011	% Reduction 2002 to Mar 2011	% Reduction 2002 to Dec 2010	% Reduction 2002 to Sep 2010	% Reduction 2002 to Jun 2010	% Reduction 2002 to Jan 2010	% Reduction 2002 to Jul 2009	% Reduction 2002 to Feb 2009	% Reduction 2002 to Sep 2008	% Reduction 2002 to Jun 2008	% Reduction 2002 to Mar 2008	% Reduction Feb 2005 to Sept 2007	% Reduction Feb 2005 to May 2007	% Reduction Feb 2005 to Oct 2006
DR-1	99.8%	91.6%	97.9%	98.1%	96.9%	95.6%	94.5%	99.2%	98.0%	95.1%	96.8%	91.0%	89.2%	93.4%	74.5%	86.2%	92.8%
DR-2	88.5%	83.9%	89.7%	88.0%	86.6%	92.4%	89.3%	87.3%	90.6%	90.1%	88.8%	89.7%	85.8%	92.3%	85.6%	82.5%	72.6%
DR-3	92.1%	98.3%	95.0%	95.4%	98.3%	98.0%	97.4%	94.6%	91.6%	91.5%	88.7%	94.9%	91.7%	88.4%	73.8%	87.6%	89.7%
DR-4	93.1%	100.0%	89.2%	92.7%	94.3%	95.9%	86.9%	91.2%	95.4%	95.5%	96.2%	92.7%	97.7%	97.6%	87.7%	99.1%	51.4%
G-1	87.4%	88.0%	87.6%	89.8%	87.7%	91.0%	94.4%	80.1%	76.0%	69.9%	76.7%	77.9%	68.7%	65.8%	58.7%	71.8%	63.1%
G-2	80.4%	89.1%	92.3%	83.0%	87.7%	86.5%	98.4%	97.8%	98.5%	85.4%	40.0%	92.6%	89.8%	79.0%	84.6%	54.5%	26.4%
G-3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Overall Reduction	90.2%	91.8%	91.9%	91.1%	91.9%	93.2%	93.5%	91.7%	91.7%	87.9%	81.2%	89.8%	87.2%	86.1%	77.5%	80.3%	66.0%

*Sampling of recovery wells initiated in 2005

Total VOCs values are not the total VOCs detected, but the sum of TCE, CIS, TRANS, VC, and TCA detected.

TABLE 5

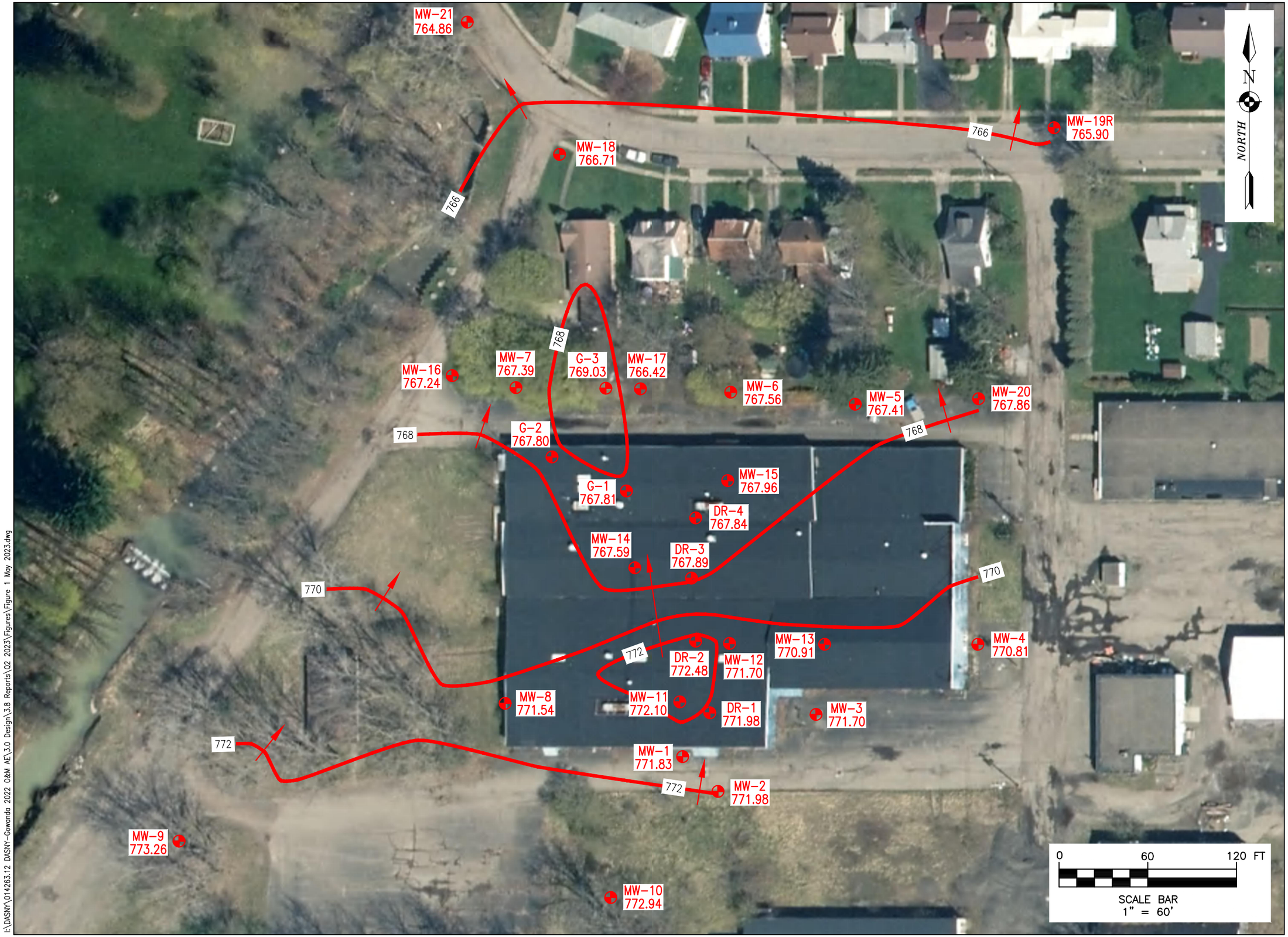
Samples Received by ALS on 19-May-23

LOCATION		NYS Groundwater			MW-1		MW-2		MW-3		MW-4		MW-5		MW-6		MW-7		MW-8		MW-9		MW-10	
SAMPLING DATE		Standard Value	Guidance Value	Units	19-May-23		19-May-23		19-May-23		19-May-23		18-May-23		18-May-23		18-May-23		19-May-23		19-May-23		19-May-23	
Lab Sample ID						Units		Units		Units		Units		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER																								
PARAMETER	**PRODUCT**																							
Methylene chloride	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1-Dichloroethane	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloroform	NYTCL-8260-R2	7.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.0	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Carbon tetrachloride	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichloropropane	NYTCL-8260-R2	1	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Dibromochloromethane	NYTCL-8260-R2	-	50	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.0	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,2-Trichloroethane	NYTCL-8260-R2	1	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Tetrachloroethene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Trichlorofluoromethane	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichloroethane	NYTCL-8260-R2	0.6	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,1-Trichloroethane	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromodichloromethane	NYTCL-8260-R2	-	50	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
trans-1,3-Dichloropropene	NYTCL-8260-R2	0.4	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
cis-1,3-Dichloropropene	NYTCL-8260-R2	-	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.0	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromoform	NYTCL-8260-R2	-	50	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,2,2-Tetrachloroethane	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Benzene	NYTCL-8260-R2	1	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Toluene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	**10.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Ethylbenzene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloromethane	NYTCL-8260-R2	-	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.0	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromomethane	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Vinyl chloride	NYTCL-8260-R2	2.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	**25.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloroethane	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1-Dichloroethene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
trans-1,2-Dichloroethene	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Trichloroethene	NYTCL-8260-R2	5.0	-	ug/l	**380.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,3-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,4-Dichlorobenzene	NYTCL-8260-R2	3	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl tert butyl ether	NYTCL-8260-R2	-	10	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
p/m-Xylene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
o-Xylene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
cis-1,2-Dichloroethene	NYTCL-8260-R2	5.0	-	ug/l	**220.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	**34.00**	ug/l	**50.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Styrene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Dichlorodifluoromethane	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.0	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Acetone	NYTCL-8260-R2	-	50	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Carbon disulfide	NYTCL-8260-R2	-	60	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
2-Butanone	NYTCL-8260-R2	-	50	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
4-Methyl-2-pentanone	NYTCL-8260-R2	-	-	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
2-Hexanone	NYTCL-8260-R2	-	50	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Bromochloromethane	NYTCL-8260-R2	5.0	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dibromoethane	NYTCL-8260-R2	0.0006	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dibromo-3-chloropropane	NYTCL-8260-R2	0.04	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Isopropylbenzene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2,3-Trichlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2,4-Trichlorobenzene	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl Acetate	NYTCL-8260-R2	-	-	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Cyclohexane	NYTCL-8260-R2	-	-	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
1,4-Dioxane	NYTCL-8260-R2	-	-	ug/l	<500.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l
Freon-113	NYTCL-8260-R2	5	-	ug/l	<25.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl cyclohexane	NYTCL-8260-R2	-	-	ug/l	<50.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l

LOCATION	MW-11		MW-12		MW-13		MW-14		MW-15		MW-16		MW-17		MW-18		MW-19R		MW-20		MW-21	
SAMPLING DATE	18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		19-May-23		19-May-23		18-May-23		19-May-23	
Lab Sample ID		Units		Units		Units		Units		Units		Units		Units		Units		Units		Units		Units
SAMPLE QUALIFIER																						
PARAMETER																						
Methylene chloride	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1-Dichloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloroform	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Carbon tetrachloride	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichloropropane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Dibromochloromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,2-Trichloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Tetrachloroethene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Trichlorofluoromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,1-Trichloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromodichloromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
trans-1,3-Dichloropropene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
cis-1,3-Dichloropropene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromoform	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1,2,2-Tetrachloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Benzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Toluene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Ethylbenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Bromomethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Vinyl chloride	**5.70**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Chloroethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,1-Dichloroethene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
trans-1,2-Dichloroethene	**9.30**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Trichloroethene	**220.00 E**	ug/l	**41.00**	ug/l	<5.00	ug/l	**8.00**	ug/l	**6.90**	ug/l	<5.00	ug/l	**11.00**	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dichlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,3-Dichlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,4-Dichlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl tert butyl ether	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
p/m-Xylene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
o-Xylene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
cis-1,2-Dichloroethene	**120.00**	ug/l	**180.00**	ug/l	<5.00	ug/l	**52.00**	ug/l	<5.00	ug/l	**33.00**	ug/l	**170.00**	ug/l	**6.30**	ug/l	<5.00	ug/l	<5.00	ug/l	**5.80**	ug/l
Styrene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Dichlorodifluoromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Acetone	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Carbon disulfide	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
2-Butanone	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
4-Methyl-2-pentanone	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
2-Hexanone	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Bromochloromethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dibromoethane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2-Dibromo-3-chloropropane	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Isopropylbenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2,3-Trichlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
1,2,4-Trichlorobenzene	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl Acetate	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
Cyclohexane	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l
1,4-Dioxane	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l
Freon-113	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l
Methyl cyclohexane	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l

LOCATION	DR-1		DR-2		DR-3		DR-4		G-1		G-2		G-3		MW-X		EQUIP. BLANK		TRIP BLANK		
SAMPLING DATE	18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		18-May-23		19-May-23		16-May-23		
Lab Sample ID		Units		Units		Units		Units		Units		Units		Units		Units		Units		Units	
SAMPLE QUALIFIER																					
PARAMETER																					**PARAMETER**
Methylene chloride	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Methylene chloride
1,1-Dichloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,1-Dichloroethane
Chloroform	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Chloroform
Carbon tetrachloride	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Carbon tetrachloride
1,2-Dichloropropane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2-Dichloropropane
Dibromochloromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Dibromochloromethane
1,1,2-Trichloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,1,2-Trichloroethane
Tetrachloroethene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Tetrachloroethene
Chlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Chlorobenzene
Trichlorofluoromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Trichlorofluoromethane
1,2-Dichloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2-Dichloroethane
1,1,1-Trichloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,1,1-Trichloroethane
Bromodichloromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Bromodichloromethane
trans-1,3-Dichloropropene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	trans-1,3-Dichloropropene
cis-1,3-Dichloropropene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	cis-1,3-Dichloropropene
Bromoform	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Bromoform
1,1,2,2-Tetrachloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,1,2,2-Tetrachloroethane
Benzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Benzene
Toluene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Toluene
Ethylbenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Ethylbenzene
Chloromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Chloromethane
Bromomethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Bromomethane
Vinyl chloride	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	**5.60**	ug/l	<5.00	ug/l	<5.00	ug/l	Vinyl chloride
Chloroethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Chloroethane
1,1-Dichloroethene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,1-Dichloroethene
trans-1,2-Dichloroethene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	**9.00**	ug/l	<5.00	ug/l	<5.00	ug/l	trans-1,2-Dichloroethene
Trichloroethene	**270.00**	ug/l	**15.00**	ug/l	**18.00**	ug/l	**14.00**	ug/l	**6.50**	ug/l	<5.00	ug/l	**18.00**	ug/l	**210.00 E**	ug/l	<5.00	ug/l	<5.00	ug/l	Trichloroethene
1,2-Dichlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2-Dichlorobenzene
1,3-Dichlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,3-Dichlorobenzene
1,4-Dichlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,4-Dichlorobenzene
Methyl tert butyl ether	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Methyl tert butyl ether
p/m-Xylene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	p/m-Xylene
o-Xylene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	o-Xylene
cis-1,2-Dichloroethene	**100.00**	ug/l	**62.00**	ug/l	**35.00**	ug/l	<5.00	ug/l	**28.00**	ug/l	**24.00**	ug/l	**120.00**	ug/l	**120.00**	ug/l	<5.00	ug/l	<5.00	ug/l	cis-1,2-Dichloroethene
Styrene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Styrene
Dichlorodifluoromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Dichlorodifluoromethane
Acetone	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	Acetone
Carbon disulfide	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	Carbon disulfide
2-Butanone	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	2-Butanone
4-Methyl-2-pentanone	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.0	ug/l	<10.00	ug/l	4-Methyl-2-pentanone
2-Hexanone	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	2-Hexanone
Bromochloromethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Bromochloromethane
1,2-Dibromoethane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2-Dibromoethane
1,2-Dibromo-3-chloropropane	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2-Dibromo-3-chloropropane
Isopropylbenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Isopropylbenzene
1,2,3-Trichlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	1,2,4-Trichlorobenzene
Methyl Acetate	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	Methyl Acetate
Cyclohexane	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	Cyclohexane
1,4-Dioxane	<250.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	<100.00	ug/l	1,4-Dioxane
Freon-113	<13.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	<5.00	ug/l	Freon-113
Methyl cyclohexane	<25.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	<10.00	ug/l	Methyl cyclohexane

FIGURES



I:\DASNY\014263.12 DASNY-Gowanda 2022 O&M AE\3.0 Design\3.8 Reports\02 2023\Figures\Figure 1 May 2023.dwg

DASNY
Gowanda Day Habilitation Center

4 Industrial Place
Gowanda, New York

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

Bergmann Associates, Architects, Engineers, Landscape Architects & Surveyors, D.P.C.
280 East Broad Street
Suite 200
Rochester, NY 14604

office: 585.232.5135
fax: 585.232.4652

www.bergmannpc.com

REVISIONS

NO.	DATE	DESCRIPTION	REV.	CK'D

Project Manager: J. O'BRIEN	Checked By: J. O'BRIEN
Designed By:	Drawn By: C. WOOD
Date Issued: 07/12/2023	Scale: 1" = 60'
Project Number: 14263.12	

MAY 2023
WATER LEVEL CONTOUR MAP

Drawing Number:

FIGURE 1

DASNY

Gowanda Day Habilitation Center

4 Industrial Place
Gowanda, NY

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Figure 2

May 2023 Distribution of Groundwater Analytical Results: Monitoring Wells

DASNY

Gowanda Day Habilitation Center

4 Industrial Place
Gowanda, NY

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ARCHITECTS ENGINEERS PLANNERS

Figure 3

May 2023 Distribution of Groundwater Analytical Results: Recovery Wells

0 25 50 75 100
Feet

N

CHARTS

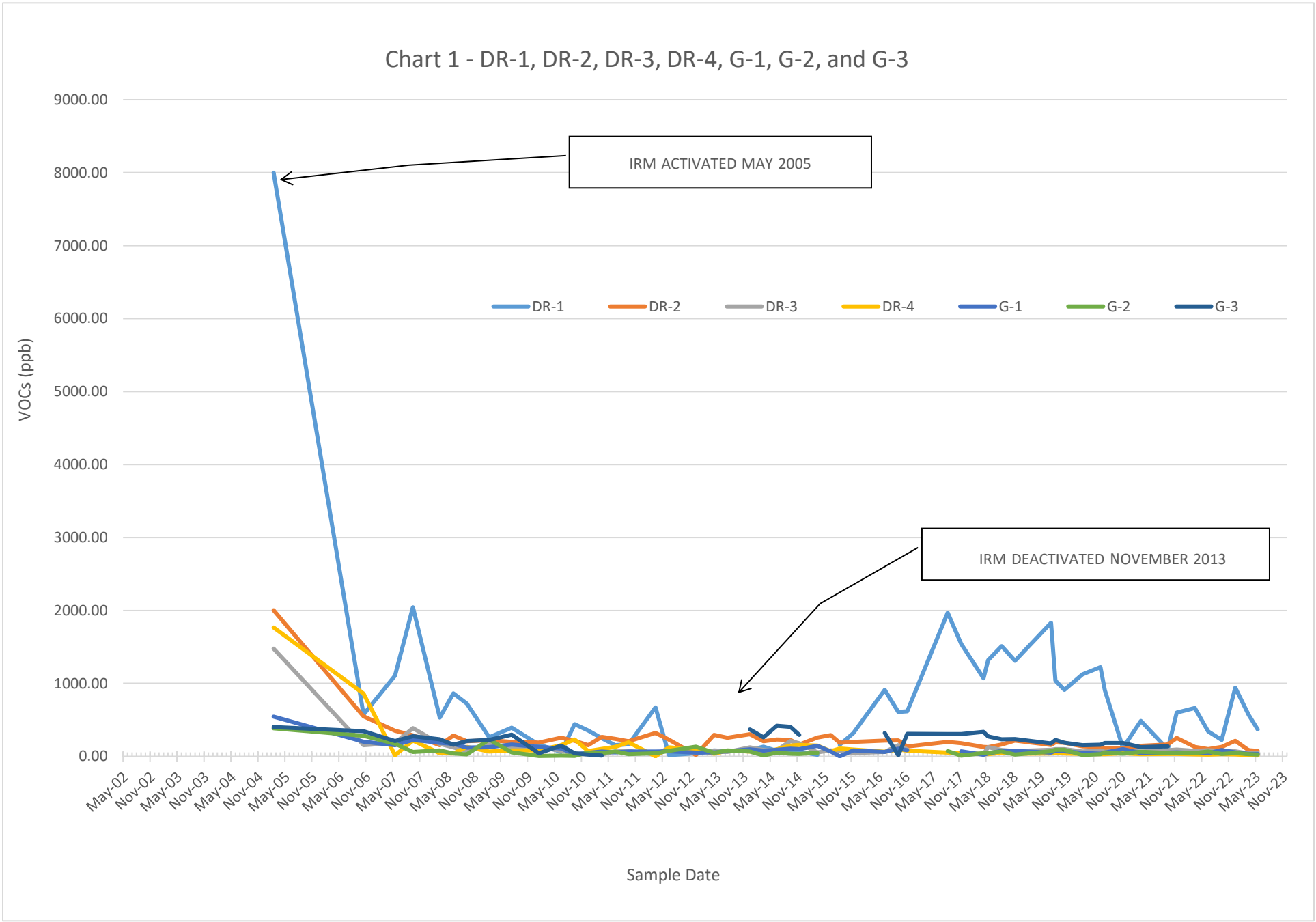
Chart 1 - DR-1, DR-2, DR-3, DR-4, G-1, G-2, and G-3
9000.00
8000.00
7000.00
6000.00
5000.00
4000.00
3000.00
2000.00
1000.00
0.00
VOCs (ppb)
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
DR-1
DR-2
DR-3
DR-4
G-1
G-2
G-3
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
May-06
Nov-06
May-07
Nov-07
May-08
Nov-08
May-09
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May-11
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May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Nov-23
Sample Date

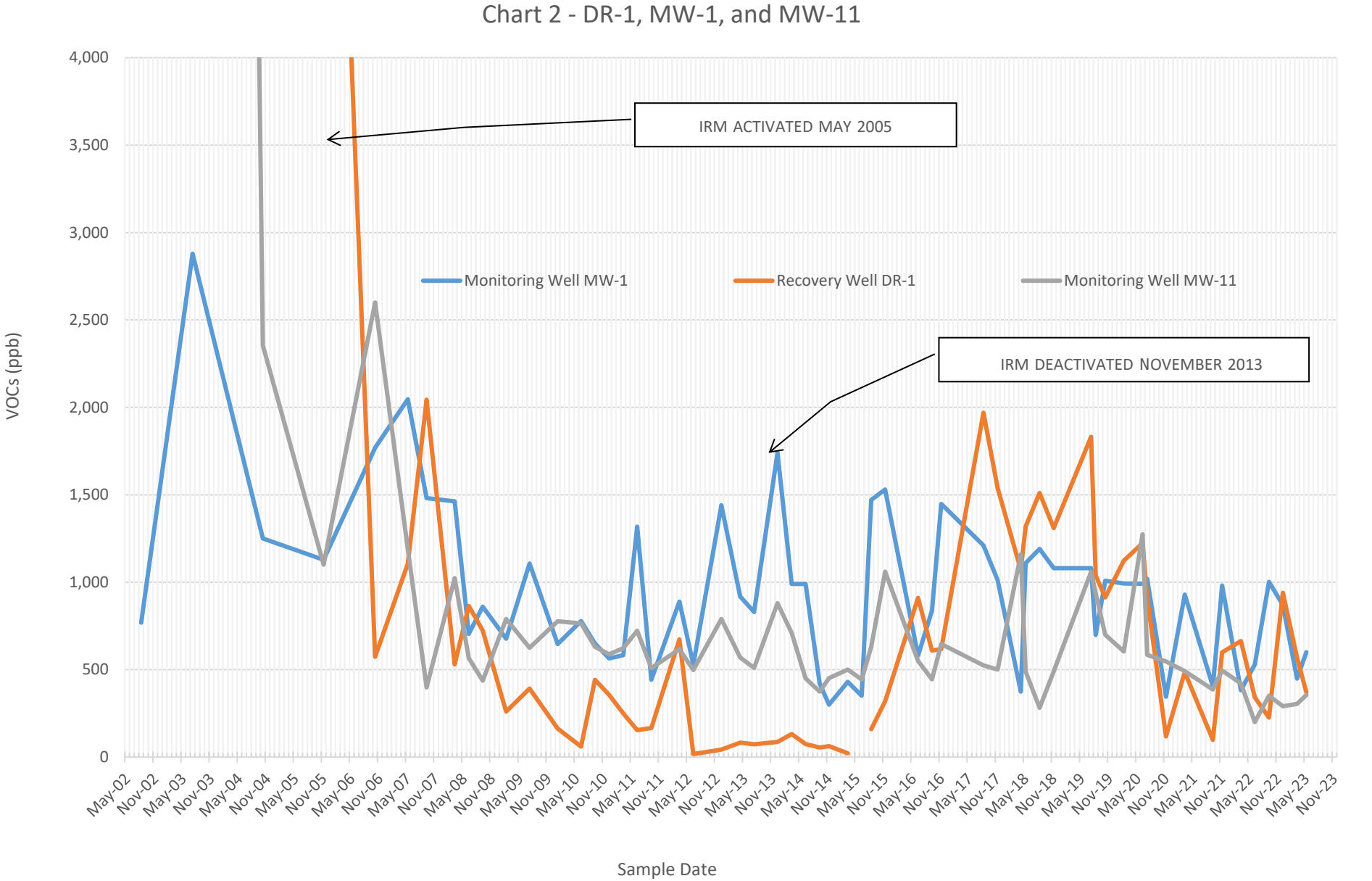
Chart 2 - DR-1, MW-1, and MW-11
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-1
Recovery Well DR-1
Monitoring Well MW-11
VOCs (ppb)
Sample Date
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
May-06
Nov-06
May-07
Nov-07
May-08
Nov-08
May-09
Nov-09
May-10
Nov-10
May-11
Nov-11
May-12
Nov-12
May-13
Nov-13
May-14
Nov-14
May-15
Nov-15
May-16
Nov-16
May-17
Nov-17
May-18
Nov-18
May-19
Nov-19
May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Nov-23

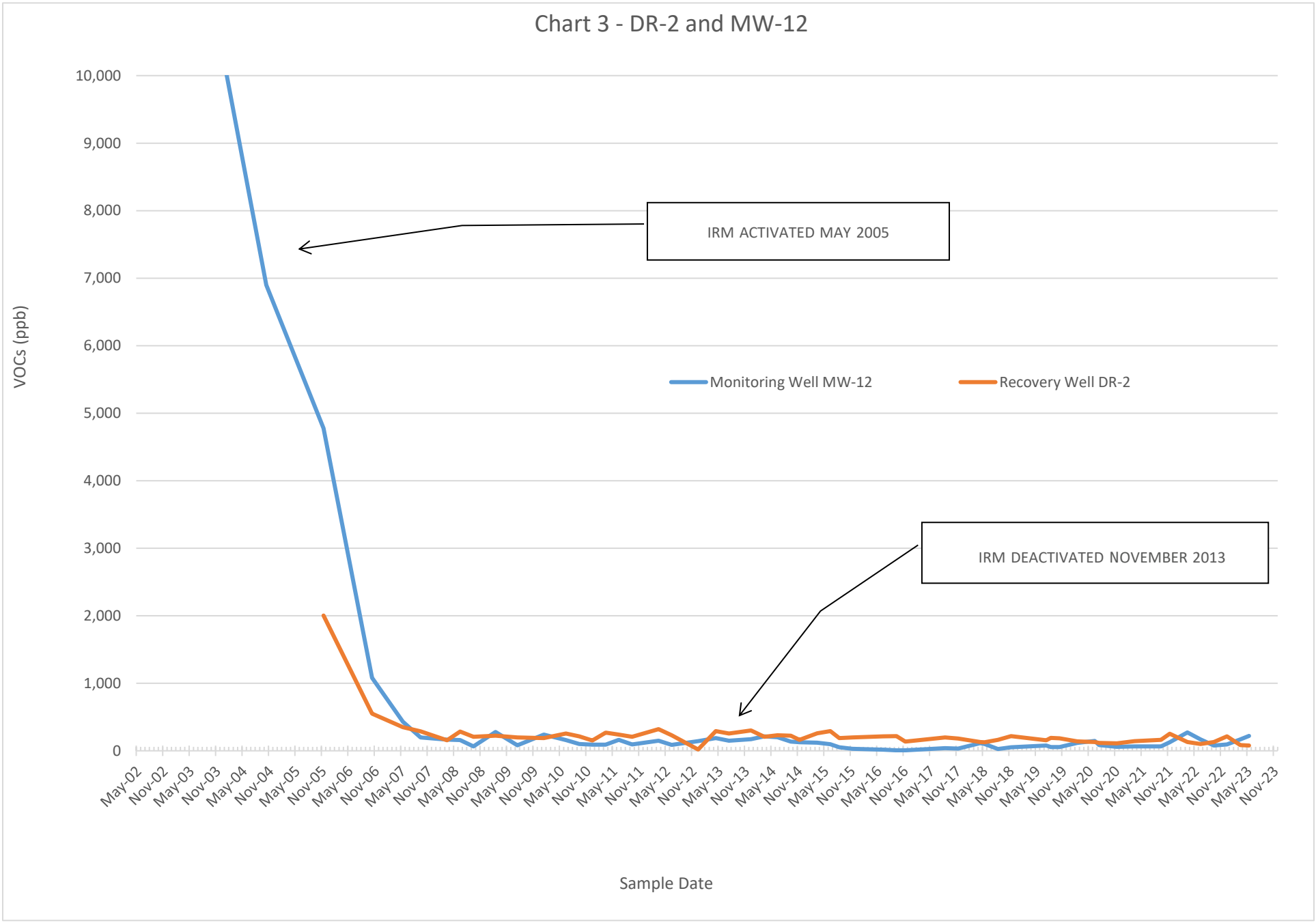
Chart 3 - DR-2 and MW-12
VOCs (ppb)
10,000
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-12
Recovery Well DR-2
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
May-06
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May-16
Nov-16
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May-19
Nov-19
May-20
Nov-20
May-21
Nov-21
May-22
Nov-22
May-23
Nov-23
Sample Date

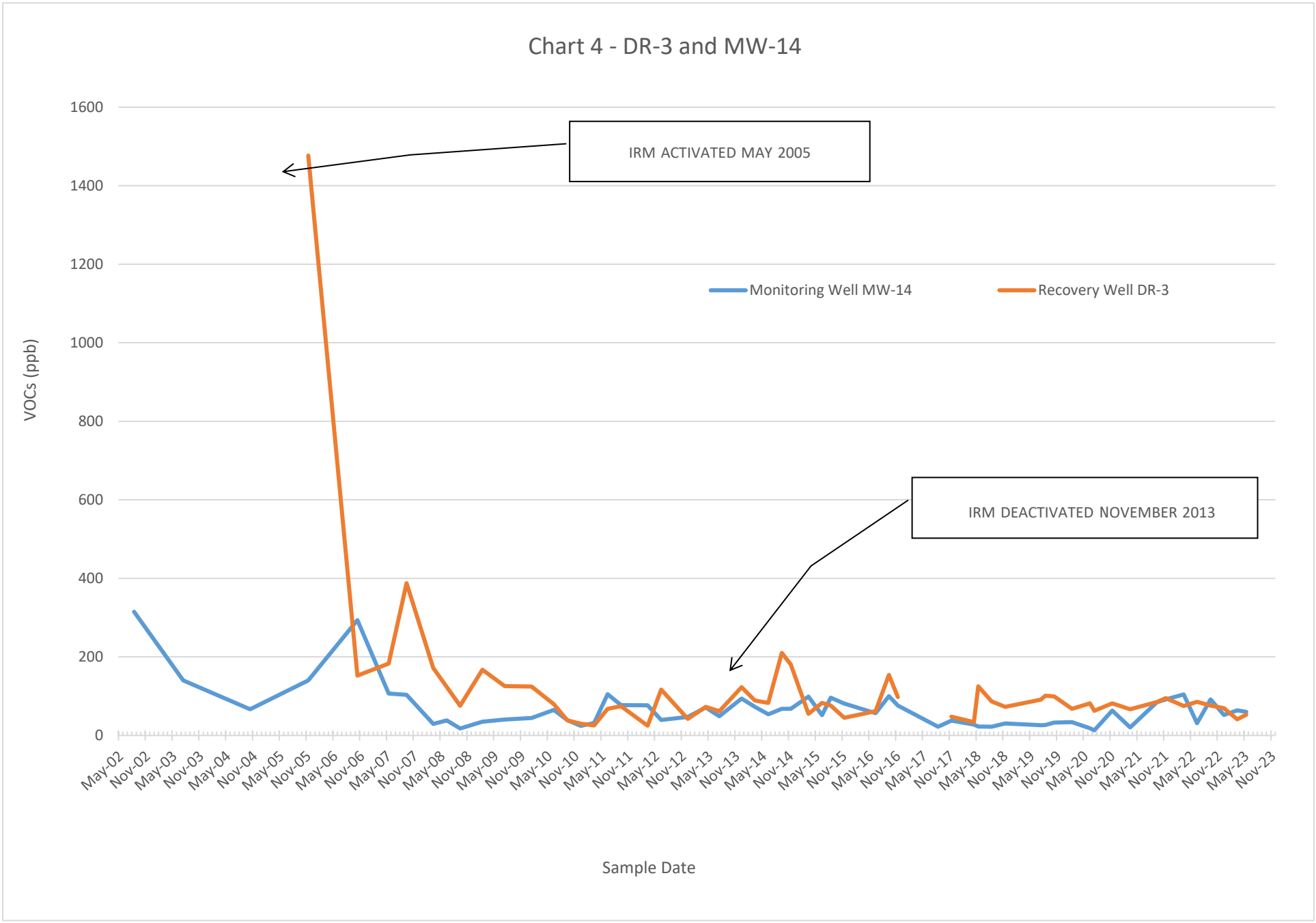
Chart 4 - DR-3 and MW-14
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-14
Recovery Well DR-3
VOCs (ppb)
Sample Date
1600
1400
1200
1000
800
600
400
200
0
May-02
Nov-02
May-03
Nov-03
May-04
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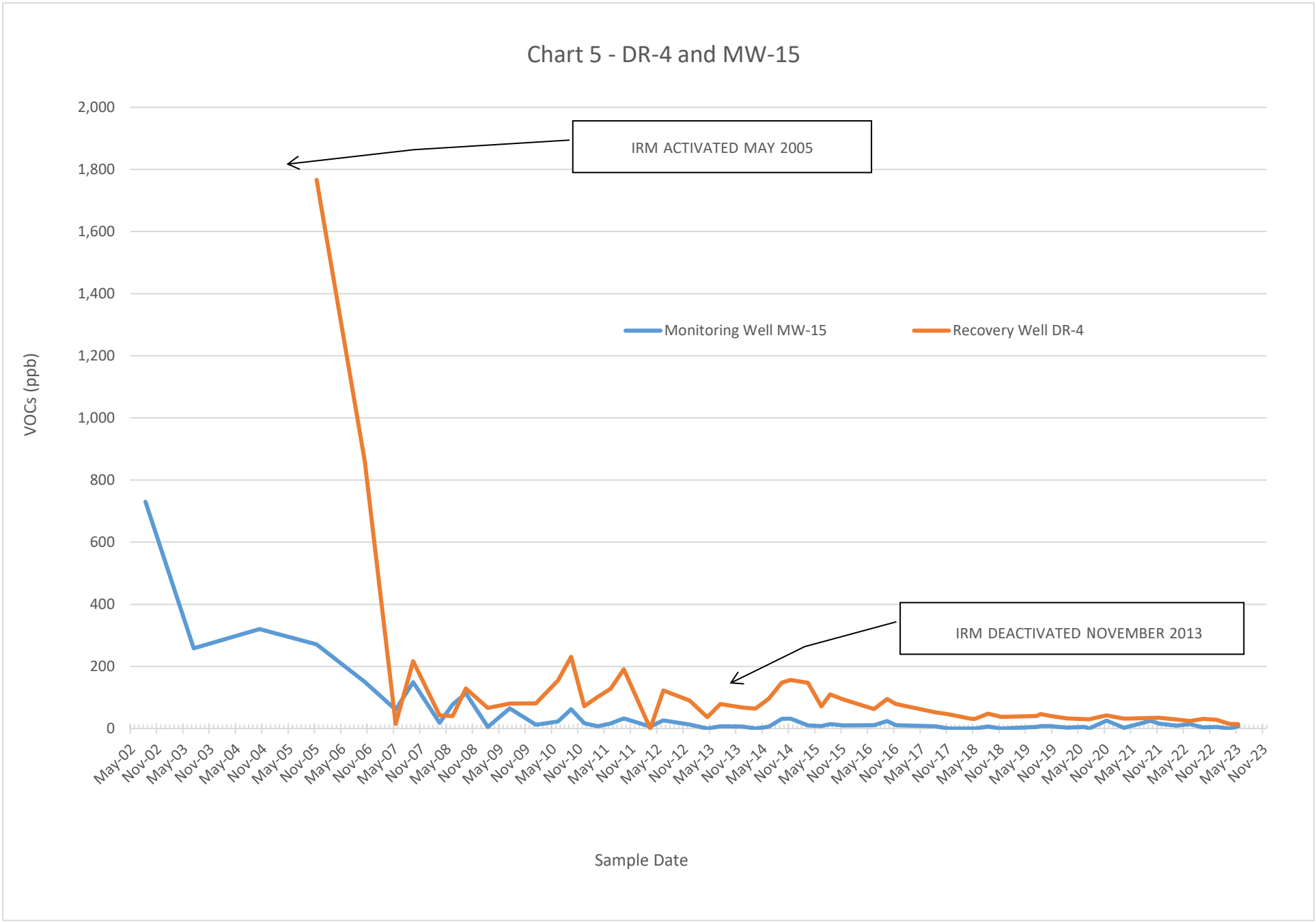
Chart 5 - DR-4 and MW-15
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-15
Recovery Well DR-4
VOCs (ppb)
Sample Date
2,000
1,800
1,600
1,400
1,200
1,000
800
600
400
200
0
May-02
Nov-02
May-03
Nov-03
May-04
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May-23
Nov-23

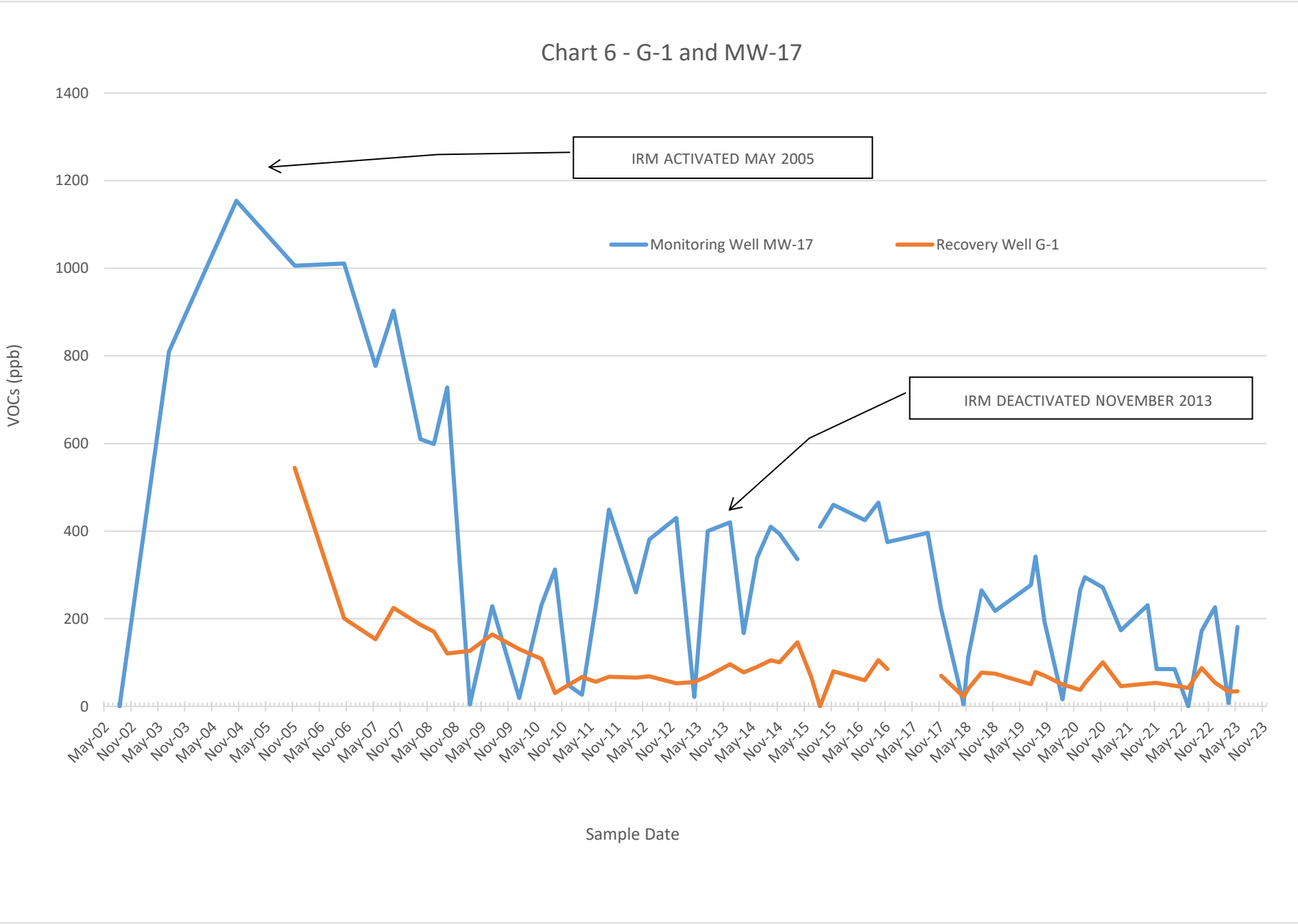
Chart 6 - G-1 and MW-17
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-17
Recovery Well G-1
VOCs (ppb)
Sample Date
0
200
400
600
800
1000
1200
1400
May-02
Nov-02
May-03
Nov-03
May-04
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Nov-23

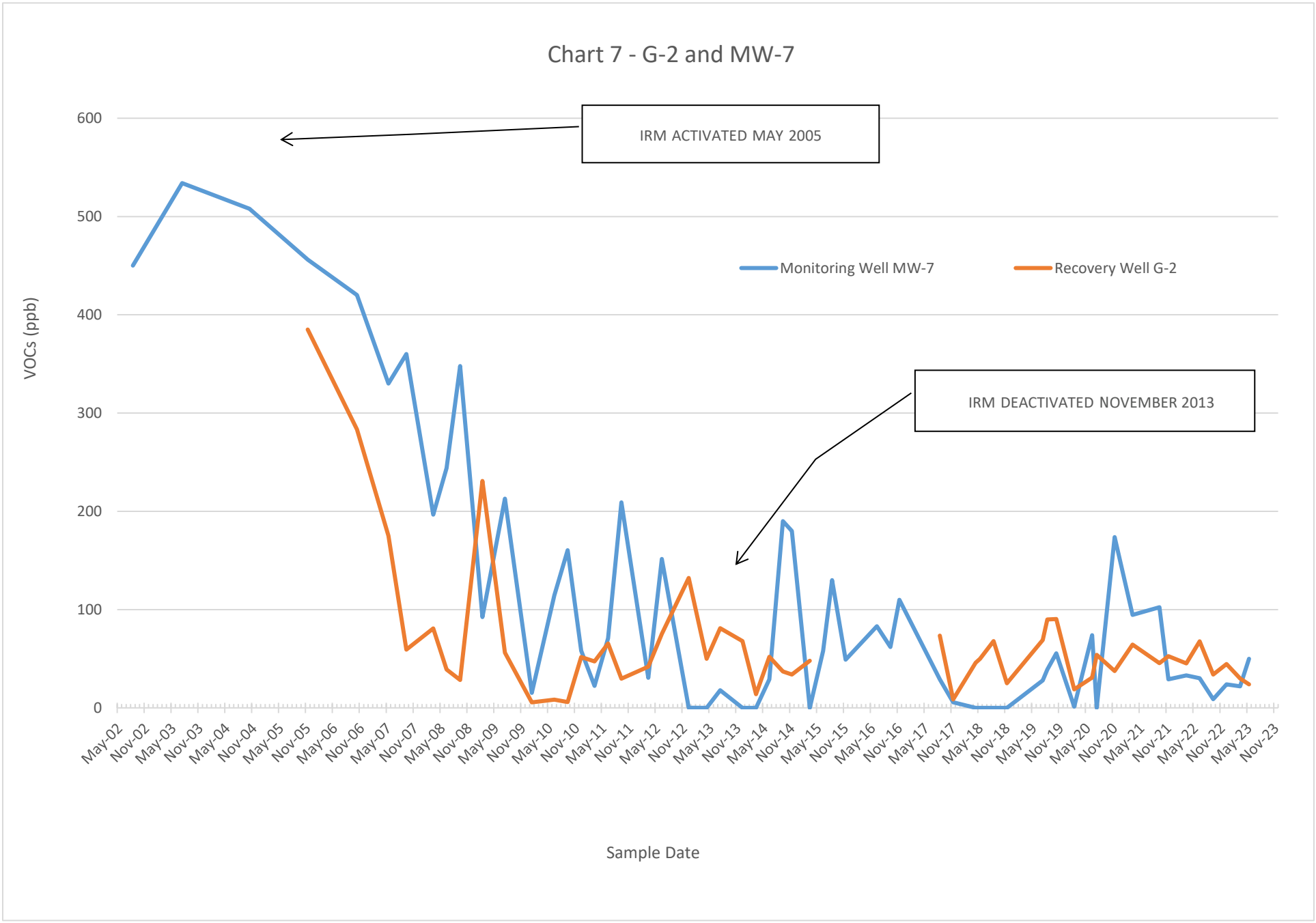
Chart 7 - G-2 and MW-7
IRM ACTIVATED MAY 2005
IRM DEACTIVATED NOVEMBER 2013
Monitoring Well MW-7
Recovery Well G-2
VOCs (ppb)
600
500
400
300
200
100
0
May-02
Nov-02
May-03
Nov-03
May-04
Nov-04
May-05
Nov-05
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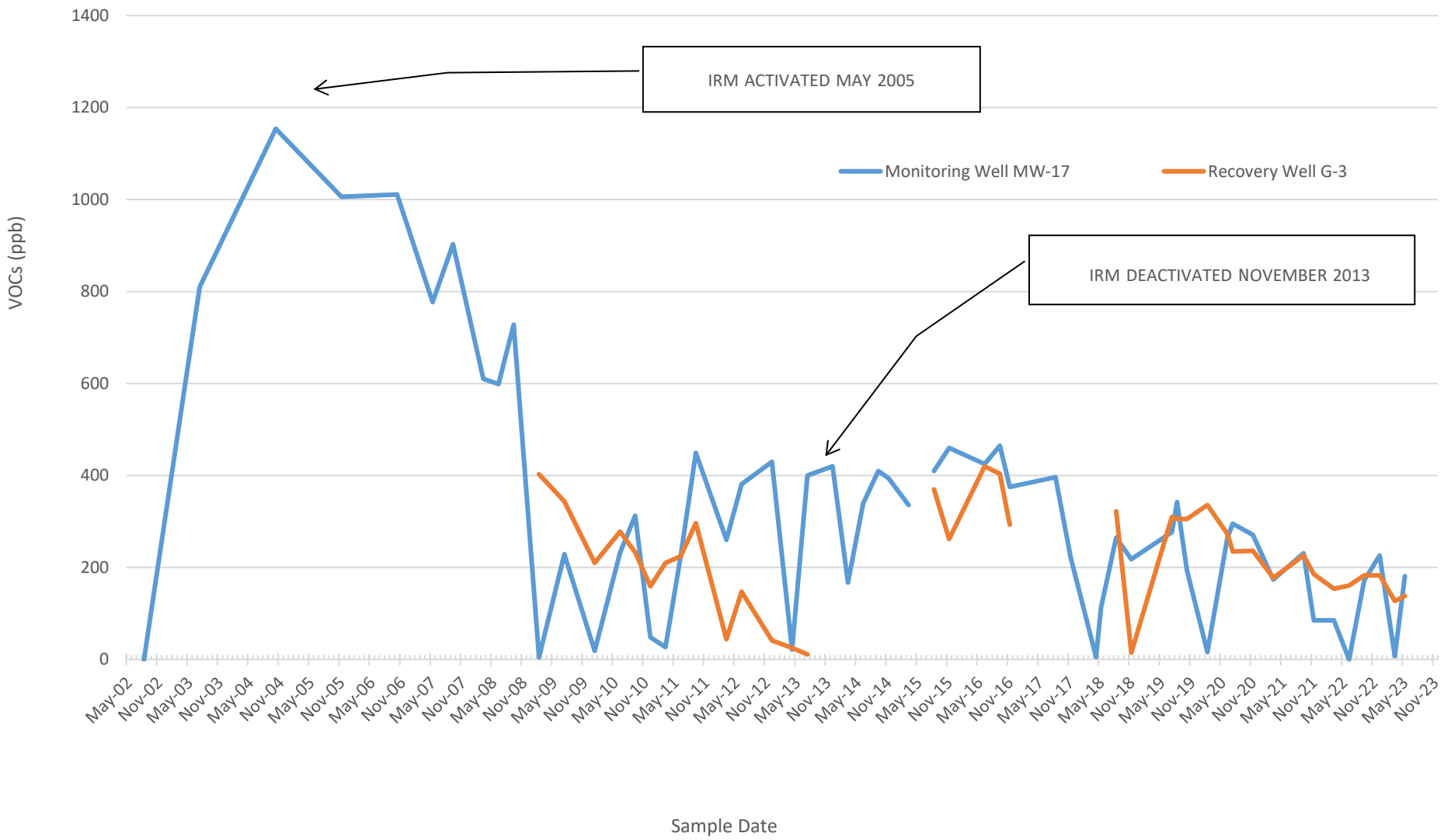
Nov-22
May-23
Nov-23
Sample Date

Chart 8 - G-3 and MW-17



APPENDICES

June 05, 2023 Service Request No:R2304484

Ariadna Cheremeteff
Bergmann Associates, Incorporated
280 East Broad Street
Suite 200
Rochester, NY 14604

Laboratory Results for: Q2 Gowanda 2023

Dear Ariadna,

Enclosed are the results of the sample(s) submitted to our laboratory May 19, 2023
For your reference, these analyses have been assigned our service request number **R2304484.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

ADDRESS 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
PHONE +1 585 288 5380 | FAX +1 585 288 8475
ALS Group USA, Corp.
dba ALS Environmental

Narrative Documents

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023
Sample Matrix: Water

Service Request: R2304484
Date Received: 05/19/2023

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Twenty water samples were received for analysis at ALS Environmental on 05/19/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

Method 8260C, 05/31/2023: The lower control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). Since there were no detections of the analyte(s) above the MRL in the associated field samples, the quantitation is not affected. The data quality was not significantly affected and no further corrective action was taken.

Approved by _____ Date 06/05/2023

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-1	Lab ID: R2304484-001					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	220			25	ug/L	8260C
Trichloroethene (TCE)	380			25	ug/L	8260C

CLIENT ID: MW-6	Lab ID: R2304484-006					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	34			5.0	ug/L	8260C
Vinyl Chloride	25			5.0	ug/L	8260C

CLIENT ID: MW-7	Lab ID: R2304484-007					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	50			5.0	ug/L	8260C

CLIENT ID: MW-11	Lab ID: R2304484-011					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	120			5.0	ug/L	8260C
cis-1,2-Dichloroethene	32	D		13	ug/L	8260C
trans-1,2-Dichloroethene	9.3			5.0	ug/L	8260C
Trichloroethene (TCE)	220	E		5.0	ug/L	8260C
Trichloroethene (TCE)	150	D		13	ug/L	8260C
Vinyl Chloride	5.7			5.0	ug/L	8260C

CLIENT ID: MW-12	Lab ID: R2304484-012					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	180			5.0	ug/L	8260C
Trichloroethene (TCE)	41			5.0	ug/L	8260C

CLIENT ID: MW-14	Lab ID: R2304484-014					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	52			5.0	ug/L	8260C
Trichloroethene (TCE)	8.0			5.0	ug/L	8260C

CLIENT ID: MW-16	Lab ID: R2304484-016					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	33			5.0	ug/L	8260C

CLIENT ID: MW-17	Lab ID: R2304484-017					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	170			5.0	ug/L	8260C
Trichloroethene (TCE)	11			5.0	ug/L	8260C

CLIENT ID: MW-18	Lab ID: R2304484-018					
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	6.3			5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-2			Lab ID: R2304484-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Toluene	10			5.0	ug/L	8260C

CLIENT ID: MW-15			Lab ID: R2304484-015			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	6.9			5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Bergmann Associates, Incorporated **Service Request:**R2304484
Project: Q2 Gowanda 2023/14263.12

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2304484-001	MW-1	5/19/2023	0657
R2304484-002	MW-2	5/19/2023	0640
R2304484-003	MW-3	5/19/2023	0620
R2304484-004	MW-4	5/19/2023	0910
R2304484-005	MW-5	5/18/2023	1525
R2304484-006	MW-6	5/18/2023	1510
R2304484-007	MW-7	5/18/2023	0823
R2304484-008	MW-8	5/19/2023	0740
R2304484-009	MW-9	5/19/2023	0835
R2304484-010	MW-10	5/19/2023	0808
R2304484-011	MW-11	5/18/2023	1253
R2304484-012	MW-12	5/18/2023	1315
R2304484-013	MW-13	5/18/2023	1328
R2304484-014	MW-14	5/18/2023	1341
R2304484-015	MW-15	5/18/2023	1005
R2304484-016	MW-16	5/18/2023	0840
R2304484-017	MW-17	5/18/2023	1453
R2304484-018	MW-18	5/19/2023	1018
R2304484-019	MW-19R	5/19/2023	0940
R2304484-020	MW-20	5/18/2023	1540

Chain of Custody / Analytical Request Form

68289

SR#:

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Page 1 of 4

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Bergmann	Project Name: Q2 Gowanda 2023
Contact: Justin L. O'Brien	Project Number: 14263.12
Email: JOBRIEN@BERGMANNPC.com	ALS Quote #: ~~14263~~ R-0039-62-23
Phone: 607-743-1412	Sampler's Signature:
Address: 280 E Broad St, #200	Email CC:
Rochester, NY 14604	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW, WW, SW, DW, S, L, NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	MW-1	5/19/23	0657	GW	3		X							
	MW-2	5/19/23	0640	GW	3		X							
	MW-3	5/19/23	0620	GW	3		X							
	MW-4	5/19/23	0910	GW	3		X							
	MW-5	5/18/23	1525	GW	3		X							
	MW-6	5/18/23	1510	GW	3		X							
	MW-7	5/18/23	0825	GW	3		X							
	MW-8	5/19/23	0740	GW	3		X							
	MW-9	5/19/23	0835	GW	3		X							
	MW-10	5/19/23	0808	GW	3		X							

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Equis

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Justin L. O'Brien	Andy K				
Company	Bergmann	ALS				
Date/Time	5/19/2023 1328	5/19/23 1326				

R2304484 5
Bergmann Associates, Incorporated
Q2 Gowanda 2023

Distribution: White - Lab copy; Yellow - Return to Originator

Chain of Custody / Analytical Request Form

68290

SR#:

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Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Bergmann	Project Name: Q2 Gowanda 2023
Contact: Justin L. O'Brien	Project Number: 14263.12
Email: JOBrien@BergmannPA.com	ALS Quote #: R-0034-62-23
Phone: 607-743-1412	Sampler's Signature:
Address: 280 E Broad St #200 Rochester NY, 14604	Email CC:
	Email CC:
	State Samples Collected (Circle or Write): (NY) MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample Collection Information: Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	MW-11	5/18/23	1253	GW	3		X							
	MW-12	5/18/23	1315	GW	3		X							
	MW-13	5/18/23	1328	GW	3		X							
	MW-14	5/18/23	1341	GW	3		X							
	MW-15	5/18/23	1005	GW	3		X							
	MW-16	5/18/23	0840	GW	3		X							
	MW-17	5/18/23	1453	GW	3		X							
	MW-18	5/19/23	1018	GW	3		X							
	MW-19R	5/19/23	0940	GW	3		X							
	MW-20	5/18/23	1540	GW	3		X							

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD X Yes ____No
EDD Type: Excel

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:
Contact:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Justin L. O'Brien					
Company	Bergmann	ALS				
Date/Time	5/19/2023 1328	5/19/23 1345				

R2304484 5
Bergmann Associates, Incorporated
Q2 Gowanda 2023

Distribution: White - Lab Copy; Yellow - Return to Originator

Cooler Receipt and Preservation Check Form

R2304484 5
Bergmann Associates, Incorporated
Q2 Gowanda 2023

Project/Client Bergmann Folder Number

Cooler received on 5/19 by: BM

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: **Wet Ice** **Dry Ice** **Gel packs** present?	(Y) N	7	Soil VOA received as:	Bulk Encore 5035set (NA)

8. Temperature Readings Date: 5/19 Time: 1345 ID: IR#12 ~~IR#1~~ From: Temp Blank Sample Bottle

Observed Temp (°C)	18.1						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted (Poorly Packed) (described below) Same Day Rule

&Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: ROR by BM on 5/19 at 1355
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 5/22/23 Time: 13:53 by: MM

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-			**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).			
		HCl	**	**	22080153	6/25				

Bottle lot numbers: 120522-3AXH

Explain all Discrepancies/ Other Comments:

Ice on top only

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: MM

PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Bergmann Associates, Incorporated **Service Request:** R2304484
Project: Q2 Gowanda 2023/14263.12

Sample Name: MW-1 **Date Collected:** 05/19/23
Lab Code: R2304484-001 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-2 **Date Collected:** 05/19/23
Lab Code: R2304484-002 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-3 **Date Collected:** 05/19/23
Lab Code: R2304484-003 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-4 **Date Collected:** 05/19/23
Lab Code: R2304484-004 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-5 **Date Collected:** 05/18/23
Lab Code: R2304484-005 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Bergmann Associates, Incorporated **Service Request:** R2304484
Project: Q2 Gowanda 2023/14263.12

Sample Name: MW-6 **Date Collected:** 05/18/23
Lab Code: R2304484-006 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-7 **Date Collected:** 05/18/23
Lab Code: R2304484-007 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-8 **Date Collected:** 05/19/23
Lab Code: R2304484-008 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-9 **Date Collected:** 05/19/23
Lab Code: R2304484-009 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-10 **Date Collected:** 05/19/23
Lab Code: R2304484-010 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Bergmann Associates, Incorporated **Service Request:** R2304484
Project: Q2 Gowanda 2023/14263.12

Sample Name: MW-11 **Date Collected:** 05/18/23
Lab Code: R2304484-011 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-11 **Date Collected:** 05/18/23
Lab Code: R2304484-011.R01 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-12 **Date Collected:** 05/18/23
Lab Code: R2304484-012 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-13 **Date Collected:** 05/18/23
Lab Code: R2304484-013 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-14 **Date Collected:** 05/18/23
Lab Code: R2304484-014 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Bergmann Associates, Incorporated **Service Request:** R2304484
Project: Q2 Gowanda 2023/14263.12

Sample Name: MW-15 **Date Collected:** 05/18/23
Lab Code: R2304484-015 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-16 **Date Collected:** 05/18/23
Lab Code: R2304484-016 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-17 **Date Collected:** 05/18/23
Lab Code: R2304484-017 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-18 **Date Collected:** 05/19/23
Lab Code: R2304484-018 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-19R **Date Collected:** 05/19/23
Lab Code: R2304484-019 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12		

Sample Name:	MW-20	**Date Collected:**	05/18/23
Lab Code:	R2304484-020	**Date Received:**	05/19/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:57
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R2304484-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	25 U	25	5	05/31/23 06:12	
1,1,2,2-Tetrachloroethane	25 U	25	5	05/31/23 06:12	
1,1,2-Trichloroethane	25 U	25	5	05/31/23 06:12	
1,1,2-Trichloro-1,2,2-trifluoroethane	25 U	25	5	05/31/23 06:12	
1,1-Dichloroethane (1,1-DCA)	25 U	25	5	05/31/23 06:12	
1,1-Dichloroethene (1,1-DCE)	25 U	25	5	05/31/23 06:12	
1,2,3-Trichlorobenzene	25 U	25	5	05/31/23 06:12	
1,2,4-Trichlorobenzene	25 U	25	5	05/31/23 06:12	
1,2-Dibromo-3-chloropropane (DBCP)	25 U	25	5	05/31/23 06:12	
1,2-Dibromoethane	25 U	25	5	05/31/23 06:12	
1,2-Dichlorobenzene	25 U	25	5	05/31/23 06:12	
1,2-Dichloroethane	25 U	25	5	05/31/23 06:12	
1,2-Dichloropropane	25 U	25	5	05/31/23 06:12	
1,3-Dichlorobenzene	25 U	25	5	05/31/23 06:12	
1,4-Dichlorobenzene	25 U	25	5	05/31/23 06:12	
1,4-Dioxane	500 U	500	5	05/31/23 06:12	
2-Butanone (MEK)	50 U	50	5	05/31/23 06:12	
2-Hexanone	50 U	50	5	05/31/23 06:12	
4-Methyl-2-pentanone	50 U	50	5	05/31/23 06:12	
Acetone	50 U	50	5	05/31/23 06:12	
Benzene	25 U	25	5	05/31/23 06:12	
Bromochloromethane	25 U	25	5	05/31/23 06:12	
Bromodichloromethane	25 U	25	5	05/31/23 06:12	
Bromoform	25 U	25	5	05/31/23 06:12	
Bromomethane	25 U	25	5	05/31/23 06:12	
Carbon Disulfide	50 U	50	5	05/31/23 06:12	
Carbon Tetrachloride	25 U	25	5	05/31/23 06:12	
Chlorobenzene	25 U	25	5	05/31/23 06:12	
Chloroethane	25 U	25	5	05/31/23 06:12	
Chloroform	25 U	25	5	05/31/23 06:12	
Chloromethane	25 U	25	5	05/31/23 06:12	
Cyclohexane	50 U	50	5	05/31/23 06:12	
Dibromochloromethane	25 U	25	5	05/31/23 06:12	
Dichlorodifluoromethane (CFC 12)	25 U	25	5	05/31/23 06:12	
Dichloromethane	25 U	25	5	05/31/23 06:12	
Ethylbenzene	25 U	25	5	05/31/23 06:12	
Isopropylbenzene (Cumene)	25 U	25	5	05/31/23 06:12	
Methyl Acetate	50 U	50	5	05/31/23 06:12	
Methyl tert-Butyl Ether	25 U	25	5	05/31/23 06:12	
Methylcyclohexane	50 U	50	5	05/31/23 06:12	
Styrene	25 U	25	5	05/31/23 06:12	
Tetrachloroethene (PCE)	25 U	25	5	05/31/23 06:12	
Toluene	25 U	25	5	05/31/23 06:12	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:57
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-1	**Units:**	ug/L
Lab Code:	R2304484-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**380**	25	5	05/31/23 06:12	
Trichlorofluoromethane (CFC 11)	25 U	25	5	05/31/23 06:12	
Vinyl Chloride	25 U	25	5	05/31/23 06:12	
cis-1,2-Dichloroethene	**220**	25	5	05/31/23 06:12	
cis-1,3-Dichloropropene	25 U	25	5	05/31/23 06:12	
m,p-Xylenes	25 U	25	5	05/31/23 06:12	
o-Xylene	25 U	25	5	05/31/23 06:12	
trans-1,2-Dichloroethene	25 U	25	5	05/31/23 06:12	
trans-1,3-Dichloropropene	25 U	25	5	05/31/23 06:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	05/31/23 06:12	
Dibromofluoromethane	102	80 - 116	05/31/23 06:12	
Toluene-d8	103	87 - 121	05/31/23 06:12	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	R2304484-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 01:12	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 01:12	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 01:12	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 01:12	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 01:12	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 01:12	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 01:12	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 01:12	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 01:12	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 01:12	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
1,4-Dioxane	100 U	100	1	05/31/23 01:12	
2-Butanone (MEK)	10 U	10	1	05/31/23 01:12	
2-Hexanone	10 U	10	1	05/31/23 01:12	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 01:12	
Acetone	10 U	10	1	05/31/23 01:12	
Benzene	5.0 U	5.0	1	05/31/23 01:12	
Bromochloromethane	5.0 U	5.0	1	05/31/23 01:12	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 01:12	
Bromoform	5.0 U	5.0	1	05/31/23 01:12	
Bromomethane	5.0 U	5.0	1	05/31/23 01:12	
Carbon Disulfide	10 U	10	1	05/31/23 01:12	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 01:12	
Chlorobenzene	5.0 U	5.0	1	05/31/23 01:12	
Chloroethane	5.0 U	5.0	1	05/31/23 01:12	
Chloroform	5.0 U	5.0	1	05/31/23 01:12	
Chloromethane	5.0 U	5.0	1	05/31/23 01:12	
Cyclohexane	10 U	10	1	05/31/23 01:12	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 01:12	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 01:12	
Dichloromethane	5.0 U	5.0	1	05/31/23 01:12	
Ethylbenzene	5.0 U	5.0	1	05/31/23 01:12	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 01:12	
Methyl Acetate	10 U	10	1	05/31/23 01:12	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 01:12	
Methylcyclohexane	10 U	10	1	05/31/23 01:12	
Styrene	5.0 U	5.0	1	05/31/23 01:12	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 01:12	
Toluene	**10**	5.0	1	05/31/23 01:12	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-2	**Units:**	ug/L
Lab Code:	R2304484-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 01:12	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 01:12	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 01:12	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:12	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:12	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 01:12	
o-Xylene	5.0 U	5.0	1	05/31/23 01:12	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:12	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	05/31/23 01:12	
Dibromofluoromethane	102	80 - 116	05/31/23 01:12	
Toluene-d8	103	87 - 121	05/31/23 01:12	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:20
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R2304484-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 01:35	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 01:35	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 01:35	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 01:35	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 01:35	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 01:35	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 01:35	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 01:35	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 01:35	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 01:35	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
1,4-Dioxane	100 U	100	1	05/31/23 01:35	
2-Butanone (MEK)	10 U	10	1	05/31/23 01:35	
2-Hexanone	10 U	10	1	05/31/23 01:35	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 01:35	
Acetone	10 U	10	1	05/31/23 01:35	
Benzene	5.0 U	5.0	1	05/31/23 01:35	
Bromochloromethane	5.0 U	5.0	1	05/31/23 01:35	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 01:35	
Bromoform	5.0 U	5.0	1	05/31/23 01:35	
Bromomethane	5.0 U	5.0	1	05/31/23 01:35	
Carbon Disulfide	10 U	10	1	05/31/23 01:35	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 01:35	
Chlorobenzene	5.0 U	5.0	1	05/31/23 01:35	
Chloroethane	5.0 U	5.0	1	05/31/23 01:35	
Chloroform	5.0 U	5.0	1	05/31/23 01:35	
Chloromethane	5.0 U	5.0	1	05/31/23 01:35	
Cyclohexane	10 U	10	1	05/31/23 01:35	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 01:35	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 01:35	
Dichloromethane	5.0 U	5.0	1	05/31/23 01:35	
Ethylbenzene	5.0 U	5.0	1	05/31/23 01:35	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 01:35	
Methyl Acetate	10 U	10	1	05/31/23 01:35	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 01:35	
Methylcyclohexane	10 U	10	1	05/31/23 01:35	
Styrene	5.0 U	5.0	1	05/31/23 01:35	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 01:35	
Toluene	5.0 U	5.0	1	05/31/23 01:35	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 06:20
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-3	**Units:**	ug/L
Lab Code:	R2304484-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 01:35	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 01:35	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 01:35	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:35	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:35	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 01:35	
o-Xylene	5.0 U	5.0	1	05/31/23 01:35	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:35	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:35	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	05/31/23 01:35	
Dibromofluoromethane	96	80 - 116	05/31/23 01:35	
Toluene-d8	99	87 - 121	05/31/23 01:35	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 09:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2304484-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 13:51	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 13:51	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 13:51	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 13:51	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 13:51	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 13:51	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 13:51	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 13:51	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 13:51	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 13:51	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
1,4-Dioxane	100 U	100	1	05/31/23 13:51	
2-Butanone (MEK)	10 U	10	1	05/31/23 13:51	
2-Hexanone	10 U	10	1	05/31/23 13:51	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 13:51	
Acetone	10 U	10	1	05/31/23 13:51	
Benzene	5.0 U	5.0	1	05/31/23 13:51	
Bromochloromethane	5.0 U	5.0	1	05/31/23 13:51	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 13:51	
Bromoform	5.0 U	5.0	1	05/31/23 13:51	
Bromomethane	5.0 U	5.0	1	05/31/23 13:51	
Carbon Disulfide	10 U	10	1	05/31/23 13:51	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 13:51	
Chlorobenzene	5.0 U	5.0	1	05/31/23 13:51	
Chloroethane	5.0 U	5.0	1	05/31/23 13:51	
Chloroform	5.0 U	5.0	1	05/31/23 13:51	
Chloromethane	5.0 U	5.0	1	05/31/23 13:51	
Cyclohexane	10 U	10	1	05/31/23 13:51	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 13:51	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 13:51	
Dichloromethane	5.0 U	5.0	1	05/31/23 13:51	
Ethylbenzene	5.0 U	5.0	1	05/31/23 13:51	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 13:51	
Methyl Acetate	10 U	10	1	05/31/23 13:51	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 13:51	
Methylcyclohexane	10 U	10	1	05/31/23 13:51	
Styrene	5.0 U	5.0	1	05/31/23 13:51	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 13:51	
Toluene	5.0 U	5.0	1	05/31/23 13:51	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 09:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-4	**Units:**	ug/L
Lab Code:	R2304484-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 13:51	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 13:51	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 13:51	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 13:51	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 13:51	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 13:51	
o-Xylene	5.0 U	5.0	1	05/31/23 13:51	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 13:51	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 13:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/31/23 13:51	
Dibromofluoromethane	94	80 - 116	05/31/23 13:51	
Toluene-d8	97	87 - 121	05/31/23 13:51	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:25
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2304484-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 01:58	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 01:58	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 01:58	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 01:58	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 01:58	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 01:58	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 01:58	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 01:58	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 01:58	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 01:58	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
1,4-Dioxane	100 U	100	1	05/31/23 01:58	
2-Butanone (MEK)	10 U	10	1	05/31/23 01:58	
2-Hexanone	10 U	10	1	05/31/23 01:58	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 01:58	
Acetone	10 U	10	1	05/31/23 01:58	
Benzene	5.0 U	5.0	1	05/31/23 01:58	
Bromochloromethane	5.0 U	5.0	1	05/31/23 01:58	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 01:58	
Bromoform	5.0 U	5.0	1	05/31/23 01:58	
Bromomethane	5.0 U	5.0	1	05/31/23 01:58	
Carbon Disulfide	10 U	10	1	05/31/23 01:58	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 01:58	
Chlorobenzene	5.0 U	5.0	1	05/31/23 01:58	
Chloroethane	5.0 U	5.0	1	05/31/23 01:58	
Chloroform	5.0 U	5.0	1	05/31/23 01:58	
Chloromethane	5.0 U	5.0	1	05/31/23 01:58	
Cyclohexane	10 U	10	1	05/31/23 01:58	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 01:58	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 01:58	
Dichloromethane	5.0 U	5.0	1	05/31/23 01:58	
Ethylbenzene	5.0 U	5.0	1	05/31/23 01:58	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 01:58	
Methyl Acetate	10 U	10	1	05/31/23 01:58	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 01:58	
Methylcyclohexane	10 U	10	1	05/31/23 01:58	
Styrene	5.0 U	5.0	1	05/31/23 01:58	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 01:58	
Toluene	5.0 U	5.0	1	05/31/23 01:58	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:25
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-5	**Units:**	ug/L
Lab Code:	R2304484-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 01:58	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 01:58	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 01:58	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:58	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:58	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 01:58	
o-Xylene	5.0 U	5.0	1	05/31/23 01:58	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 01:58	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 01:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	05/31/23 01:58	
Dibromofluoromethane	95	80 - 116	05/31/23 01:58	
Toluene-d8	98	87 - 121	05/31/23 01:58	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-6	**Units:**	ug/L
Lab Code:	R2304484-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 02:21	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 02:21	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 02:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 02:21	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 02:21	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 02:21	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 02:21	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 02:21	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 02:21	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 02:21	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
1,4-Dioxane	100 U	100	1	05/31/23 02:21	
2-Butanone (MEK)	10 U	10	1	05/31/23 02:21	
2-Hexanone	10 U	10	1	05/31/23 02:21	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 02:21	
Acetone	10 U	10	1	05/31/23 02:21	
Benzene	5.0 U	5.0	1	05/31/23 02:21	
Bromochloromethane	5.0 U	5.0	1	05/31/23 02:21	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 02:21	
Bromoform	5.0 U	5.0	1	05/31/23 02:21	
Bromomethane	5.0 U	5.0	1	05/31/23 02:21	
Carbon Disulfide	10 U	10	1	05/31/23 02:21	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 02:21	
Chlorobenzene	5.0 U	5.0	1	05/31/23 02:21	
Chloroethane	5.0 U	5.0	1	05/31/23 02:21	
Chloroform	5.0 U	5.0	1	05/31/23 02:21	
Chloromethane	5.0 U	5.0	1	05/31/23 02:21	
Cyclohexane	10 U	10	1	05/31/23 02:21	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 02:21	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 02:21	
Dichloromethane	5.0 U	5.0	1	05/31/23 02:21	
Ethylbenzene	5.0 U	5.0	1	05/31/23 02:21	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 02:21	
Methyl Acetate	10 U	10	1	05/31/23 02:21	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 02:21	
Methylcyclohexane	10 U	10	1	05/31/23 02:21	
Styrene	5.0 U	5.0	1	05/31/23 02:21	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 02:21	
Toluene	5.0 U	5.0	1	05/31/23 02:21	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-6	**Units:**	ug/L
Lab Code:	R2304484-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 02:21	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 02:21	
Vinyl Chloride	**25**	5.0	1	05/31/23 02:21	
cis-1,2-Dichloroethene	**34**	5.0	1	05/31/23 02:21	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 02:21	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 02:21	
o-Xylene	5.0 U	5.0	1	05/31/23 02:21	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 02:21	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 02:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/31/23 02:21	
Dibromofluoromethane	102	80 - 116	05/31/23 02:21	
Toluene-d8	102	87 - 121	05/31/23 02:21	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 08:23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2304484-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 02:44	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 02:44	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 02:44	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 02:44	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 02:44	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 02:44	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 02:44	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 02:44	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 02:44	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 02:44	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
1,4-Dioxane	100 U	100	1	05/31/23 02:44	
2-Butanone (MEK)	10 U	10	1	05/31/23 02:44	
2-Hexanone	10 U	10	1	05/31/23 02:44	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 02:44	
Acetone	10 U	10	1	05/31/23 02:44	
Benzene	5.0 U	5.0	1	05/31/23 02:44	
Bromochloromethane	5.0 U	5.0	1	05/31/23 02:44	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 02:44	
Bromoform	5.0 U	5.0	1	05/31/23 02:44	
Bromomethane	5.0 U	5.0	1	05/31/23 02:44	
Carbon Disulfide	10 U	10	1	05/31/23 02:44	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 02:44	
Chlorobenzene	5.0 U	5.0	1	05/31/23 02:44	
Chloroethane	5.0 U	5.0	1	05/31/23 02:44	
Chloroform	5.0 U	5.0	1	05/31/23 02:44	
Chloromethane	5.0 U	5.0	1	05/31/23 02:44	
Cyclohexane	10 U	10	1	05/31/23 02:44	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 02:44	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 02:44	
Dichloromethane	5.0 U	5.0	1	05/31/23 02:44	
Ethylbenzene	5.0 U	5.0	1	05/31/23 02:44	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 02:44	
Methyl Acetate	10 U	10	1	05/31/23 02:44	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 02:44	
Methylcyclohexane	10 U	10	1	05/31/23 02:44	
Styrene	5.0 U	5.0	1	05/31/23 02:44	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 02:44	
Toluene	5.0 U	5.0	1	05/31/23 02:44	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 08:23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-7	**Units:**	ug/L
Lab Code:	R2304484-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 02:44	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 02:44	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 02:44	
cis-1,2-Dichloroethene	**50**	5.0	1	05/31/23 02:44	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 02:44	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 02:44	
o-Xylene	5.0 U	5.0	1	05/31/23 02:44	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 02:44	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 02:44	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/31/23 02:44	
Dibromofluoromethane	97	80 - 116	05/31/23 02:44	
Toluene-d8	98	87 - 121	05/31/23 02:44	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 07:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2304484-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 14:14	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 14:14	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 14:14	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 14:14	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 14:14	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 14:14	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 14:14	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 14:14	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 14:14	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 14:14	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
1,4-Dioxane	100 U	100	1	05/31/23 14:14	
2-Butanone (MEK)	10 U	10	1	05/31/23 14:14	
2-Hexanone	10 U	10	1	05/31/23 14:14	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 14:14	
Acetone	10 U	10	1	05/31/23 14:14	
Benzene	5.0 U	5.0	1	05/31/23 14:14	
Bromochloromethane	5.0 U	5.0	1	05/31/23 14:14	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 14:14	
Bromoform	5.0 U	5.0	1	05/31/23 14:14	
Bromomethane	5.0 U	5.0	1	05/31/23 14:14	
Carbon Disulfide	10 U	10	1	05/31/23 14:14	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 14:14	
Chlorobenzene	5.0 U	5.0	1	05/31/23 14:14	
Chloroethane	5.0 U	5.0	1	05/31/23 14:14	
Chloroform	5.0 U	5.0	1	05/31/23 14:14	
Chloromethane	5.0 U	5.0	1	05/31/23 14:14	
Cyclohexane	10 U	10	1	05/31/23 14:14	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 14:14	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 14:14	
Dichloromethane	5.0 U	5.0	1	05/31/23 14:14	
Ethylbenzene	5.0 U	5.0	1	05/31/23 14:14	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 14:14	
Methyl Acetate	10 U	10	1	05/31/23 14:14	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 14:14	
Methylcyclohexane	10 U	10	1	05/31/23 14:14	
Styrene	5.0 U	5.0	1	05/31/23 14:14	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 14:14	
Toluene	5.0 U	5.0	1	05/31/23 14:14	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 07:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-8	**Units:**	ug/L
Lab Code:	R2304484-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 14:14	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 14:14	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 14:14	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 14:14	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 14:14	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 14:14	
o-Xylene	5.0 U	5.0	1	05/31/23 14:14	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 14:14	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 14:14	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	05/31/23 14:14	
Dibromofluoromethane	96	80 - 116	05/31/23 14:14	
Toluene-d8	99	87 - 121	05/31/23 14:14	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 08:35
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2304484-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 14:37	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 14:37	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 14:37	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 14:37	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 14:37	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 14:37	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 14:37	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 14:37	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 14:37	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 14:37	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
1,4-Dioxane	100 U	100	1	05/31/23 14:37	
2-Butanone (MEK)	10 U	10	1	05/31/23 14:37	
2-Hexanone	10 U	10	1	05/31/23 14:37	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 14:37	
Acetone	10 U	10	1	05/31/23 14:37	
Benzene	5.0 U	5.0	1	05/31/23 14:37	
Bromochloromethane	5.0 U	5.0	1	05/31/23 14:37	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 14:37	
Bromoform	5.0 U	5.0	1	05/31/23 14:37	
Bromomethane	5.0 U	5.0	1	05/31/23 14:37	
Carbon Disulfide	10 U	10	1	05/31/23 14:37	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 14:37	
Chlorobenzene	5.0 U	5.0	1	05/31/23 14:37	
Chloroethane	5.0 U	5.0	1	05/31/23 14:37	
Chloroform	5.0 U	5.0	1	05/31/23 14:37	
Chloromethane	5.0 U	5.0	1	05/31/23 14:37	
Cyclohexane	10 U	10	1	05/31/23 14:37	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 14:37	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 14:37	
Dichloromethane	5.0 U	5.0	1	05/31/23 14:37	
Ethylbenzene	5.0 U	5.0	1	05/31/23 14:37	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 14:37	
Methyl Acetate	10 U	10	1	05/31/23 14:37	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 14:37	
Methylcyclohexane	10 U	10	1	05/31/23 14:37	
Styrene	5.0 U	5.0	1	05/31/23 14:37	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 14:37	
Toluene	5.0 U	5.0	1	05/31/23 14:37	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 08:35
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-9	**Units:**	ug/L
Lab Code:	R2304484-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 14:37	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 14:37	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 14:37	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 14:37	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 14:37	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 14:37	
o-Xylene	5.0 U	5.0	1	05/31/23 14:37	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 14:37	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 14:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/31/23 14:37	
Dibromofluoromethane	98	80 - 116	05/31/23 14:37	
Toluene-d8	99	87 - 121	05/31/23 14:37	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 08:08
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R2304484-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 15:00	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 15:00	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 15:00	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 15:00	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 15:00	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 15:00	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 15:00	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 15:00	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 15:00	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 15:00	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
1,4-Dioxane	100 U	100	1	05/31/23 15:00	
2-Butanone (MEK)	10 U	10	1	05/31/23 15:00	
2-Hexanone	10 U	10	1	05/31/23 15:00	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 15:00	
Acetone	10 U	10	1	05/31/23 15:00	
Benzene	5.0 U	5.0	1	05/31/23 15:00	
Bromochloromethane	5.0 U	5.0	1	05/31/23 15:00	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 15:00	
Bromoform	5.0 U	5.0	1	05/31/23 15:00	
Bromomethane	5.0 U	5.0	1	05/31/23 15:00	
Carbon Disulfide	10 U	10	1	05/31/23 15:00	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 15:00	
Chlorobenzene	5.0 U	5.0	1	05/31/23 15:00	
Chloroethane	5.0 U	5.0	1	05/31/23 15:00	
Chloroform	5.0 U	5.0	1	05/31/23 15:00	
Chloromethane	5.0 U	5.0	1	05/31/23 15:00	
Cyclohexane	10 U	10	1	05/31/23 15:00	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 15:00	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 15:00	
Dichloromethane	5.0 U	5.0	1	05/31/23 15:00	
Ethylbenzene	5.0 U	5.0	1	05/31/23 15:00	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 15:00	
Methyl Acetate	10 U	10	1	05/31/23 15:00	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 15:00	
Methylcyclohexane	10 U	10	1	05/31/23 15:00	
Styrene	5.0 U	5.0	1	05/31/23 15:00	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 15:00	
Toluene	5.0 U	5.0	1	05/31/23 15:00	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 08:08
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-10	**Units:**	ug/L
Lab Code:	R2304484-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 15:00	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 15:00	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 15:00	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 15:00	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:00	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 15:00	
o-Xylene	5.0 U	5.0	1	05/31/23 15:00	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 15:00	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:00	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	05/31/23 15:00	
Dibromofluoromethane	94	80 - 116	05/31/23 15:00	
Toluene-d8	97	87 - 121	05/31/23 15:00	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	R2304484-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 16:09	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 16:09	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 16:09	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 16:09	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 16:09	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 16:09	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 16:09	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 16:09	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 16:09	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 16:09	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
1,4-Dioxane	100 U	100	1	05/31/23 16:09	
2-Butanone (MEK)	10 U	10	1	05/31/23 16:09	
2-Hexanone	10 U	10	1	05/31/23 16:09	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 16:09	
Acetone	10 U	10	1	05/31/23 16:09	
Benzene	5.0 U	5.0	1	05/31/23 16:09	
Bromochloromethane	5.0 U	5.0	1	05/31/23 16:09	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 16:09	
Bromoform	5.0 U	5.0	1	05/31/23 16:09	
Bromomethane	5.0 U	5.0	1	05/31/23 16:09	
Carbon Disulfide	10 U	10	1	05/31/23 16:09	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 16:09	
Chlorobenzene	5.0 U	5.0	1	05/31/23 16:09	
Chloroethane	5.0 U	5.0	1	05/31/23 16:09	
Chloroform	5.0 U	5.0	1	05/31/23 16:09	
Chloromethane	5.0 U	5.0	1	05/31/23 16:09	
Cyclohexane	10 U	10	1	05/31/23 16:09	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 16:09	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 16:09	
Dichloromethane	5.0 U	5.0	1	05/31/23 16:09	
Ethylbenzene	5.0 U	5.0	1	05/31/23 16:09	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 16:09	
Methyl Acetate	10 U	10	1	05/31/23 16:09	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 16:09	
Methylcyclohexane	10 U	10	1	05/31/23 16:09	
Styrene	5.0 U	5.0	1	05/31/23 16:09	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 16:09	
Toluene	5.0 U	5.0	1	05/31/23 16:09	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	R2304484-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**220**	**E**	5.0	1	05/31/23 16:09	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	1	05/31/23 16:09	
Vinyl Chloride	**5.7**		5.0	1	05/31/23 16:09	
cis-1,2-Dichloroethene	**120**		5.0	1	05/31/23 16:09	
cis-1,3-Dichloropropene	5.0	U	5.0	1	05/31/23 16:09	
m,p-Xylenes	5.0	U	5.0	1	05/31/23 16:09	
o-Xylene	5.0	U	5.0	1	05/31/23 16:09	
trans-1,2-Dichloroethene	**9.3**		5.0	1	05/31/23 16:09	
trans-1,3-Dichloropropene	5.0	U	5.0	1	05/31/23 16:09	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	05/31/23 16:09	
Dibromofluoromethane	95	80 - 116	05/31/23 16:09	
Toluene-d8	97	87 - 121	05/31/23 16:09	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	R2304484-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	13 U	13	2.5	05/31/23 05:49	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	05/31/23 05:49	
1,1,2-Trichloroethane	13 U	13	2.5	05/31/23 05:49	
1,1,2-Trichloro-1,2,2-trifluoroethane	13 U	13	2.5	05/31/23 05:49	
1,1-Dichloroethane (1,1-DCA)	13 U	13	2.5	05/31/23 05:49	
1,1-Dichloroethene (1,1-DCE)	13 U	13	2.5	05/31/23 05:49	
1,2,3-Trichlorobenzene	13 U	13	2.5	05/31/23 05:49	
1,2,4-Trichlorobenzene	13 U	13	2.5	05/31/23 05:49	
1,2-Dibromo-3-chloropropane (DBCP)	13 U	13	2.5	05/31/23 05:49	
1,2-Dibromoethane	13 U	13	2.5	05/31/23 05:49	
1,2-Dichlorobenzene	13 U	13	2.5	05/31/23 05:49	
1,2-Dichloroethane	13 U	13	2.5	05/31/23 05:49	
1,2-Dichloropropane	13 U	13	2.5	05/31/23 05:49	
1,3-Dichlorobenzene	13 U	13	2.5	05/31/23 05:49	
1,4-Dichlorobenzene	13 U	13	2.5	05/31/23 05:49	
1,4-Dioxane	250 U	250	2.5	05/31/23 05:49	
2-Butanone (MEK)	25 U	25	2.5	05/31/23 05:49	
2-Hexanone	25 U	25	2.5	05/31/23 05:49	
4-Methyl-2-pentanone	25 U	25	2.5	05/31/23 05:49	
Acetone	25 U	25	2.5	05/31/23 05:49	
Benzene	13 U	13	2.5	05/31/23 05:49	
Bromochloromethane	13 U	13	2.5	05/31/23 05:49	
Bromodichloromethane	13 U	13	2.5	05/31/23 05:49	
Bromoform	13 U	13	2.5	05/31/23 05:49	
Bromomethane	13 U	13	2.5	05/31/23 05:49	
Carbon Disulfide	25 U	25	2.5	05/31/23 05:49	
Carbon Tetrachloride	13 U	13	2.5	05/31/23 05:49	
Chlorobenzene	13 U	13	2.5	05/31/23 05:49	
Chloroethane	13 U	13	2.5	05/31/23 05:49	
Chloroform	13 U	13	2.5	05/31/23 05:49	
Chloromethane	13 U	13	2.5	05/31/23 05:49	
Cyclohexane	25 U	25	2.5	05/31/23 05:49	
Dibromochloromethane	13 U	13	2.5	05/31/23 05:49	
Dichlorodifluoromethane (CFC 12)	13 U	13	2.5	05/31/23 05:49	
Dichloromethane	13 U	13	2.5	05/31/23 05:49	
Ethylbenzene	13 U	13	2.5	05/31/23 05:49	
Isopropylbenzene (Cumene)	13 U	13	2.5	05/31/23 05:49	
Methyl Acetate	25 U	25	2.5	05/31/23 05:49	
Methyl tert-Butyl Ether	13 U	13	2.5	05/31/23 05:49	
Methylcyclohexane	25 U	25	2.5	05/31/23 05:49	
Styrene	13 U	13	2.5	05/31/23 05:49	
Tetrachloroethene (PCE)	13 U	13	2.5	05/31/23 05:49	
Toluene	13 U	13	2.5	05/31/23 05:49	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-11	**Units:**	ug/L
Lab Code:	R2304484-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**150 D**	13	2.5	05/31/23 05:49	
Trichlorofluoromethane (CFC 11)	13 U	13	2.5	05/31/23 05:49	
Vinyl Chloride	13 U	13	2.5	05/31/23 05:49	
cis-1,2-Dichloroethene	**32 D**	13	2.5	05/31/23 05:49	
cis-1,3-Dichloropropene	13 U	13	2.5	05/31/23 05:49	
m,p-Xylenes	13 U	13	2.5	05/31/23 05:49	
o-Xylene	13 U	13	2.5	05/31/23 05:49	
trans-1,2-Dichloroethene	13 U	13	2.5	05/31/23 05:49	
trans-1,3-Dichloropropene	13 U	13	2.5	05/31/23 05:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/31/23 05:49	
Dibromofluoromethane	96	80 - 116	05/31/23 05:49	
Toluene-d8	96	87 - 121	05/31/23 05:49	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:15
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-12	**Units:**	ug/L
Lab Code:	R2304484-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 03:07	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 03:07	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 03:07	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 03:07	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 03:07	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 03:07	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 03:07	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 03:07	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 03:07	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 03:07	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
1,4-Dioxane	100 U	100	1	05/31/23 03:07	
2-Butanone (MEK)	10 U	10	1	05/31/23 03:07	
2-Hexanone	10 U	10	1	05/31/23 03:07	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 03:07	
Acetone	10 U	10	1	05/31/23 03:07	
Benzene	5.0 U	5.0	1	05/31/23 03:07	
Bromochloromethane	5.0 U	5.0	1	05/31/23 03:07	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 03:07	
Bromoform	5.0 U	5.0	1	05/31/23 03:07	
Bromomethane	5.0 U	5.0	1	05/31/23 03:07	
Carbon Disulfide	10 U	10	1	05/31/23 03:07	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 03:07	
Chlorobenzene	5.0 U	5.0	1	05/31/23 03:07	
Chloroethane	5.0 U	5.0	1	05/31/23 03:07	
Chloroform	5.0 U	5.0	1	05/31/23 03:07	
Chloromethane	5.0 U	5.0	1	05/31/23 03:07	
Cyclohexane	10 U	10	1	05/31/23 03:07	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 03:07	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 03:07	
Dichloromethane	5.0 U	5.0	1	05/31/23 03:07	
Ethylbenzene	5.0 U	5.0	1	05/31/23 03:07	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 03:07	
Methyl Acetate	10 U	10	1	05/31/23 03:07	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 03:07	
Methylcyclohexane	10 U	10	1	05/31/23 03:07	
Styrene	5.0 U	5.0	1	05/31/23 03:07	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 03:07	
Toluene	5.0 U	5.0	1	05/31/23 03:07	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:15
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-12	**Units:**	ug/L
Lab Code:	R2304484-012	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**41**	5.0	1	05/31/23 03:07	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 03:07	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 03:07	
cis-1,2-Dichloroethene	**180**	5.0	1	05/31/23 03:07	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:07	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 03:07	
o-Xylene	5.0 U	5.0	1	05/31/23 03:07	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 03:07	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:07	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85 - 122	05/31/23 03:07	
Dibromofluoromethane	102	80 - 116	05/31/23 03:07	
Toluene-d8	105	87 - 121	05/31/23 03:07	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:28
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2304484-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 03:30	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 03:30	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 03:30	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 03:30	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 03:30	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 03:30	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 03:30	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 03:30	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 03:30	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 03:30	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
1,4-Dioxane	100 U	100	1	05/31/23 03:30	
2-Butanone (MEK)	10 U	10	1	05/31/23 03:30	
2-Hexanone	10 U	10	1	05/31/23 03:30	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 03:30	
Acetone	10 U	10	1	05/31/23 03:30	
Benzene	5.0 U	5.0	1	05/31/23 03:30	
Bromochloromethane	5.0 U	5.0	1	05/31/23 03:30	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 03:30	
Bromoform	5.0 U	5.0	1	05/31/23 03:30	
Bromomethane	5.0 U	5.0	1	05/31/23 03:30	
Carbon Disulfide	10 U	10	1	05/31/23 03:30	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 03:30	
Chlorobenzene	5.0 U	5.0	1	05/31/23 03:30	
Chloroethane	5.0 U	5.0	1	05/31/23 03:30	
Chloroform	5.0 U	5.0	1	05/31/23 03:30	
Chloromethane	5.0 U	5.0	1	05/31/23 03:30	
Cyclohexane	10 U	10	1	05/31/23 03:30	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 03:30	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 03:30	
Dichloromethane	5.0 U	5.0	1	05/31/23 03:30	
Ethylbenzene	5.0 U	5.0	1	05/31/23 03:30	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 03:30	
Methyl Acetate	10 U	10	1	05/31/23 03:30	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 03:30	
Methylcyclohexane	10 U	10	1	05/31/23 03:30	
Styrene	5.0 U	5.0	1	05/31/23 03:30	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 03:30	
Toluene	5.0 U	5.0	1	05/31/23 03:30	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:28
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-13	**Units:**	ug/L
Lab Code:	R2304484-013	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 03:30	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 03:30	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 03:30	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 03:30	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:30	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 03:30	
o-Xylene	5.0 U	5.0	1	05/31/23 03:30	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 03:30	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:30	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/31/23 03:30	
Dibromofluoromethane	102	80 - 116	05/31/23 03:30	
Toluene-d8	104	87 - 121	05/31/23 03:30	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:41
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2304484-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 03:53	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 03:53	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 03:53	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 03:53	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 03:53	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 03:53	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 03:53	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 03:53	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 03:53	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 03:53	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
1,4-Dioxane	100 U	100	1	05/31/23 03:53	
2-Butanone (MEK)	10 U	10	1	05/31/23 03:53	
2-Hexanone	10 U	10	1	05/31/23 03:53	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 03:53	
Acetone	10 U	10	1	05/31/23 03:53	
Benzene	5.0 U	5.0	1	05/31/23 03:53	
Bromochloromethane	5.0 U	5.0	1	05/31/23 03:53	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 03:53	
Bromoform	5.0 U	5.0	1	05/31/23 03:53	
Bromomethane	5.0 U	5.0	1	05/31/23 03:53	
Carbon Disulfide	10 U	10	1	05/31/23 03:53	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 03:53	
Chlorobenzene	5.0 U	5.0	1	05/31/23 03:53	
Chloroethane	5.0 U	5.0	1	05/31/23 03:53	
Chloroform	5.0 U	5.0	1	05/31/23 03:53	
Chloromethane	5.0 U	5.0	1	05/31/23 03:53	
Cyclohexane	10 U	10	1	05/31/23 03:53	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 03:53	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 03:53	
Dichloromethane	5.0 U	5.0	1	05/31/23 03:53	
Ethylbenzene	5.0 U	5.0	1	05/31/23 03:53	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 03:53	
Methyl Acetate	10 U	10	1	05/31/23 03:53	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 03:53	
Methylcyclohexane	10 U	10	1	05/31/23 03:53	
Styrene	5.0 U	5.0	1	05/31/23 03:53	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 03:53	
Toluene	5.0 U	5.0	1	05/31/23 03:53	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 13:41
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-14	**Units:**	ug/L
Lab Code:	R2304484-014	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**8.0**	5.0	1	05/31/23 03:53	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 03:53	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 03:53	
cis-1,2-Dichloroethene	**52**	5.0	1	05/31/23 03:53	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:53	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 03:53	
o-Xylene	5.0 U	5.0	1	05/31/23 03:53	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 03:53	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 03:53	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	105	85 - 122	05/31/23 03:53	
Dibromofluoromethane	100	80 - 116	05/31/23 03:53	
Toluene-d8	102	87 - 121	05/31/23 03:53	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 10:05
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2304484-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 04:16	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 04:16	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 04:16	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 04:16	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 04:16	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 04:16	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 04:16	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 04:16	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 04:16	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 04:16	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
1,4-Dioxane	100 U	100	1	05/31/23 04:16	
2-Butanone (MEK)	10 U	10	1	05/31/23 04:16	
2-Hexanone	10 U	10	1	05/31/23 04:16	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 04:16	
Acetone	10 U	10	1	05/31/23 04:16	
Benzene	5.0 U	5.0	1	05/31/23 04:16	
Bromochloromethane	5.0 U	5.0	1	05/31/23 04:16	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 04:16	
Bromoform	5.0 U	5.0	1	05/31/23 04:16	
Bromomethane	5.0 U	5.0	1	05/31/23 04:16	
Carbon Disulfide	10 U	10	1	05/31/23 04:16	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 04:16	
Chlorobenzene	5.0 U	5.0	1	05/31/23 04:16	
Chloroethane	5.0 U	5.0	1	05/31/23 04:16	
Chloroform	5.0 U	5.0	1	05/31/23 04:16	
Chloromethane	5.0 U	5.0	1	05/31/23 04:16	
Cyclohexane	10 U	10	1	05/31/23 04:16	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 04:16	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 04:16	
Dichloromethane	5.0 U	5.0	1	05/31/23 04:16	
Ethylbenzene	5.0 U	5.0	1	05/31/23 04:16	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 04:16	
Methyl Acetate	10 U	10	1	05/31/23 04:16	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 04:16	
Methylcyclohexane	10 U	10	1	05/31/23 04:16	
Styrene	5.0 U	5.0	1	05/31/23 04:16	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 04:16	
Toluene	5.0 U	5.0	1	05/31/23 04:16	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 10:05
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-15	**Units:**	ug/L
Lab Code:	R2304484-015	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**6.9**	5.0	1	05/31/23 04:16	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 04:16	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 04:16	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 04:16	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 04:16	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 04:16	
o-Xylene	5.0 U	5.0	1	05/31/23 04:16	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 04:16	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 04:16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/31/23 04:16	
Dibromofluoromethane	101	80 - 116	05/31/23 04:16	
Toluene-d8	103	87 - 121	05/31/23 04:16	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 08:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R2304484-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 04:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 04:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 04:40	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 04:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 04:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 04:40	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 04:40	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 04:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 04:40	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 04:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
1,4-Dioxane	100 U	100	1	05/31/23 04:40	
2-Butanone (MEK)	10 U	10	1	05/31/23 04:40	
2-Hexanone	10 U	10	1	05/31/23 04:40	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 04:40	
Acetone	10 U	10	1	05/31/23 04:40	
Benzene	5.0 U	5.0	1	05/31/23 04:40	
Bromochloromethane	5.0 U	5.0	1	05/31/23 04:40	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 04:40	
Bromoform	5.0 U	5.0	1	05/31/23 04:40	
Bromomethane	5.0 U	5.0	1	05/31/23 04:40	
Carbon Disulfide	10 U	10	1	05/31/23 04:40	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 04:40	
Chlorobenzene	5.0 U	5.0	1	05/31/23 04:40	
Chloroethane	5.0 U	5.0	1	05/31/23 04:40	
Chloroform	5.0 U	5.0	1	05/31/23 04:40	
Chloromethane	5.0 U	5.0	1	05/31/23 04:40	
Cyclohexane	10 U	10	1	05/31/23 04:40	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 04:40	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 04:40	
Dichloromethane	5.0 U	5.0	1	05/31/23 04:40	
Ethylbenzene	5.0 U	5.0	1	05/31/23 04:40	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 04:40	
Methyl Acetate	10 U	10	1	05/31/23 04:40	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 04:40	
Methylcyclohexane	10 U	10	1	05/31/23 04:40	
Styrene	5.0 U	5.0	1	05/31/23 04:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 04:40	
Toluene	5.0 U	5.0	1	05/31/23 04:40	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 08:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-16	**Units:**	ug/L
Lab Code:	R2304484-016	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 04:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 04:40	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 04:40	
cis-1,2-Dichloroethene	**33**	5.0	1	05/31/23 04:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 04:40	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 04:40	
o-Xylene	5.0 U	5.0	1	05/31/23 04:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 04:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 04:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	05/31/23 04:40	
Dibromofluoromethane	95	80 - 116	05/31/23 04:40	
Toluene-d8	98	87 - 121	05/31/23 04:40	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 14:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R2304484-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 05:03	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 05:03	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 05:03	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 05:03	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 05:03	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 05:03	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 05:03	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 05:03	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 05:03	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 05:03	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
1,4-Dioxane	100 U	100	1	05/31/23 05:03	
2-Butanone (MEK)	10 U	10	1	05/31/23 05:03	
2-Hexanone	10 U	10	1	05/31/23 05:03	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 05:03	
Acetone	10 U	10	1	05/31/23 05:03	
Benzene	5.0 U	5.0	1	05/31/23 05:03	
Bromochloromethane	5.0 U	5.0	1	05/31/23 05:03	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 05:03	
Bromoform	5.0 U	5.0	1	05/31/23 05:03	
Bromomethane	5.0 U	5.0	1	05/31/23 05:03	
Carbon Disulfide	10 U	10	1	05/31/23 05:03	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 05:03	
Chlorobenzene	5.0 U	5.0	1	05/31/23 05:03	
Chloroethane	5.0 U	5.0	1	05/31/23 05:03	
Chloroform	5.0 U	5.0	1	05/31/23 05:03	
Chloromethane	5.0 U	5.0	1	05/31/23 05:03	
Cyclohexane	10 U	10	1	05/31/23 05:03	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 05:03	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 05:03	
Dichloromethane	5.0 U	5.0	1	05/31/23 05:03	
Ethylbenzene	5.0 U	5.0	1	05/31/23 05:03	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 05:03	
Methyl Acetate	10 U	10	1	05/31/23 05:03	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 05:03	
Methylcyclohexane	10 U	10	1	05/31/23 05:03	
Styrene	5.0 U	5.0	1	05/31/23 05:03	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 05:03	
Toluene	5.0 U	5.0	1	05/31/23 05:03	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 14:53
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-17	**Units:**	ug/L
Lab Code:	R2304484-017	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**11**	5.0	1	05/31/23 05:03	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 05:03	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 05:03	
cis-1,2-Dichloroethene	**170**	5.0	1	05/31/23 05:03	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 05:03	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 05:03	
o-Xylene	5.0 U	5.0	1	05/31/23 05:03	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 05:03	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 05:03	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	05/31/23 05:03	
Dibromofluoromethane	96	80 - 116	05/31/23 05:03	
Toluene-d8	99	87 - 121	05/31/23 05:03	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:18
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	R2304484-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 15:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 15:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 15:23	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 15:23	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 15:23	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 15:23	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 15:23	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 15:23	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 15:23	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 15:23	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
1,4-Dioxane	100 U	100	1	05/31/23 15:23	
2-Butanone (MEK)	10 U	10	1	05/31/23 15:23	
2-Hexanone	10 U	10	1	05/31/23 15:23	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 15:23	
Acetone	10 U	10	1	05/31/23 15:23	
Benzene	5.0 U	5.0	1	05/31/23 15:23	
Bromochloromethane	5.0 U	5.0	1	05/31/23 15:23	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 15:23	
Bromoform	5.0 U	5.0	1	05/31/23 15:23	
Bromomethane	5.0 U	5.0	1	05/31/23 15:23	
Carbon Disulfide	10 U	10	1	05/31/23 15:23	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 15:23	
Chlorobenzene	5.0 U	5.0	1	05/31/23 15:23	
Chloroethane	5.0 U	5.0	1	05/31/23 15:23	
Chloroform	5.0 U	5.0	1	05/31/23 15:23	
Chloromethane	5.0 U	5.0	1	05/31/23 15:23	
Cyclohexane	10 U	10	1	05/31/23 15:23	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 15:23	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 15:23	
Dichloromethane	5.0 U	5.0	1	05/31/23 15:23	
Ethylbenzene	5.0 U	5.0	1	05/31/23 15:23	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 15:23	
Methyl Acetate	10 U	10	1	05/31/23 15:23	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 15:23	
Methylcyclohexane	10 U	10	1	05/31/23 15:23	
Styrene	5.0 U	5.0	1	05/31/23 15:23	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 15:23	
Toluene	5.0 U	5.0	1	05/31/23 15:23	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:18
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-18	**Units:**	ug/L
Lab Code:	R2304484-018	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 15:23	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 15:23	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 15:23	
cis-1,2-Dichloroethene	**6.3**	5.0	1	05/31/23 15:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:23	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 15:23	
o-Xylene	5.0 U	5.0	1	05/31/23 15:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 15:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:23	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	05/31/23 15:23	
Dibromofluoromethane	95	80 - 116	05/31/23 15:23	
Toluene-d8	97	87 - 121	05/31/23 15:23	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 09:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-19R	**Units:**	ug/L
Lab Code:	R2304484-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 15:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 15:46	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 15:46	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 15:46	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 15:46	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 15:46	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 15:46	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 15:46	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 15:46	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 15:46	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
1,4-Dioxane	100 U	100	1	05/31/23 15:46	
2-Butanone (MEK)	10 U	10	1	05/31/23 15:46	
2-Hexanone	10 U	10	1	05/31/23 15:46	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 15:46	
Acetone	10 U	10	1	05/31/23 15:46	
Benzene	5.0 U	5.0	1	05/31/23 15:46	
Bromochloromethane	5.0 U	5.0	1	05/31/23 15:46	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 15:46	
Bromoform	5.0 U	5.0	1	05/31/23 15:46	
Bromomethane	5.0 U	5.0	1	05/31/23 15:46	
Carbon Disulfide	10 U	10	1	05/31/23 15:46	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 15:46	
Chlorobenzene	5.0 U	5.0	1	05/31/23 15:46	
Chloroethane	5.0 U	5.0	1	05/31/23 15:46	
Chloroform	5.0 U	5.0	1	05/31/23 15:46	
Chloromethane	5.0 U	5.0	1	05/31/23 15:46	
Cyclohexane	10 U	10	1	05/31/23 15:46	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 15:46	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 15:46	
Dichloromethane	5.0 U	5.0	1	05/31/23 15:46	
Ethylbenzene	5.0 U	5.0	1	05/31/23 15:46	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 15:46	
Methyl Acetate	10 U	10	1	05/31/23 15:46	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 15:46	
Methylcyclohexane	10 U	10	1	05/31/23 15:46	
Styrene	5.0 U	5.0	1	05/31/23 15:46	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 15:46	
Toluene	5.0 U	5.0	1	05/31/23 15:46	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 09:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-19R	**Units:**	ug/L
Lab Code:	R2304484-019	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 15:46	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 15:46	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 15:46	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 15:46	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:46	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 15:46	
o-Xylene	5.0 U	5.0	1	05/31/23 15:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 15:46	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 15:46	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85 - 122	05/31/23 15:46	
Dibromofluoromethane	105	80 - 116	05/31/23 15:46	
Toluene-d8	105	87 - 121	05/31/23 15:46	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	R2304484-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 05:26	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 05:26	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 05:26	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 05:26	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 05:26	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 05:26	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 05:26	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 05:26	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 05:26	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 05:26	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
1,4-Dioxane	100 U	100	1	05/31/23 05:26	
2-Butanone (MEK)	10 U	10	1	05/31/23 05:26	
2-Hexanone	10 U	10	1	05/31/23 05:26	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 05:26	
Acetone	10 U	10	1	05/31/23 05:26	
Benzene	5.0 U	5.0	1	05/31/23 05:26	
Bromochloromethane	5.0 U	5.0	1	05/31/23 05:26	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 05:26	
Bromoform	5.0 U	5.0	1	05/31/23 05:26	
Bromomethane	5.0 U	5.0	1	05/31/23 05:26	
Carbon Disulfide	10 U	10	1	05/31/23 05:26	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 05:26	
Chlorobenzene	5.0 U	5.0	1	05/31/23 05:26	
Chloroethane	5.0 U	5.0	1	05/31/23 05:26	
Chloroform	5.0 U	5.0	1	05/31/23 05:26	
Chloromethane	5.0 U	5.0	1	05/31/23 05:26	
Cyclohexane	10 U	10	1	05/31/23 05:26	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 05:26	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 05:26	
Dichloromethane	5.0 U	5.0	1	05/31/23 05:26	
Ethylbenzene	5.0 U	5.0	1	05/31/23 05:26	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 05:26	
Methyl Acetate	10 U	10	1	05/31/23 05:26	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 05:26	
Methylcyclohexane	10 U	10	1	05/31/23 05:26	
Styrene	5.0 U	5.0	1	05/31/23 05:26	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 05:26	
Toluene	5.0 U	5.0	1	05/31/23 05:26	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 15:40
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-20	**Units:**	ug/L
Lab Code:	R2304484-020	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 05:26	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 05:26	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 05:26	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 05:26	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 05:26	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 05:26	
o-Xylene	5.0 U	5.0	1	05/31/23 05:26	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 05:26	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 05:26	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	05/31/23 05:26	
Dibromofluoromethane	94	80 - 116	05/31/23 05:26	
Toluene-d8	92	87 - 121	05/31/23 05:26	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Bergmann Associates, Incorporated **Service Request:** R2304484
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
MW-1	R2304484-001	107	102	103
MW-2	R2304484-002	107	102	103
MW-3	R2304484-003	103	96	99
MW-4	R2304484-004	96	94	97
MW-5	R2304484-005	103	95	98
MW-6	R2304484-006	100	102	102
MW-7	R2304484-007	100	97	98
MW-8	R2304484-008	105	96	99
MW-9	R2304484-009	104	98	99
MW-10	R2304484-010	98	94	97
MW-11	R2304484-011	96	95	97
MW-11 DL	R2304484-011	100	96	96
MW-12	R2304484-012	108	102	105
MW-13	R2304484-013	104	102	104
MW-14	R2304484-014	105	100	102
MW-15	R2304484-015	104	101	103
MW-16	R2304484-016	101	95	98
MW-17	R2304484-017	107	96	99
MW-18	R2304484-018	102	95	97
MW-19R	R2304484-019	108	105	105
MW-20	R2304484-020	97	94	92
Lab Control Sample	RQ2306660-03	113	103	104
Method Blank	RQ2306660-04	101	95	98
Lab Control Sample	RQ2306700-03	100	97	97
Method Blank	RQ2306700-04	104	95	99
MW-19R MS	RQ2306700-05	111	103	104
MW-19R DMS	RQ2306700-06	102	96	97

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23
Sample Matrix:	Water	**Date Received:**	05/19/23
		Date Analyzed:	05/31/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-19R	**Units:**	ug/L
Lab Code:	R2304484-019	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike RQ2306700-05			**Duplicate Matrix Spike** RQ2306700-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1-Trichloroethane (TCA)	5.0 U	50.7	50.0	101	51.7	50.0	103	74-127	2	30
1,1,2,2-Tetrachloroethane	5.0 U	46.8	50.0	94	51.3	50.0	103	72-122	9	30
1,1,2-Trichloroethane	5.0 U	48.5	50.0	97	50.8	50.0	102	82-121	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	51.2	50.0	102	51.5	50.0	103	50-147	<1	30
1,1-Dichloroethane (1,1-DCA)	5.0 U	56.9	50.0	114	56.6	50.0	113	74-132	<1	30
1,1-Dichloroethene (1,1-DCE)	5.0 U	54.5	50.0	109	55.2	50.0	110	71-118	1	30
1,2,3-Trichlorobenzene	5.0 U	25.4	50.0	51 *	27.2	50.0	54 *	59-129	7	30
1,2,4-Trichlorobenzene	5.0 U	25.0	50.0	50 *	26.3	50.0	53 *	69-122	5	30
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	42.0	50.0	84	47.2	50.0	94	37-150	12	30
1,2-Dibromoethane	5.0 U	47.7	50.0	95	49.8	50.0	100	67-127	4	30
1,2-Dichlorobenzene	5.0 U	38.1	50.0	76 *	39.9	50.0	80	77-120	5	30
1,2-Dichloroethane	5.0 U	50.2	50.0	100	50.9	50.0	102	68-130	1	30
1,2-Dichloropropane	5.0 U	51.5	50.0	103	52.7	50.0	105	79-124	2	30
1,3-Dichlorobenzene	5.0 U	36.6	50.0	73 *	38.7	50.0	77 *	83-121	6	30
1,4-Dichlorobenzene	5.0 U	36.9	50.0	74 *	38.8	50.0	78 *	82-120	5	30
1,4-Dioxane	100 U	981	1000	98	1070	1000	107	44-154	9	30
2-Butanone (MEK)	10 U	47.5	50.0	95	49.9	50.0	100	61-137	5	30
2-Hexanone	10 U	51.0	50.0	102	55.2	50.0	110	56-132	8	30
4-Methyl-2-pentanone	10 U	53.2	50.0	106	56.5	50.0	113	60-141	6	30
Acetone	10 U	43.9	50.0	88	46.1	50.0	92	35-183	5	30
Benzene	5.0 U	51.9	50.0	104	53.4	50.0	107	76-129	3	30
Bromochloromethane	5.0 U	53.2	50.0	106	53.9	50.0	108	80-122	1	30
Bromodichloromethane	5.0 U	48.4	50.0	97	49.6	50.0	99	78-133	3	30
Bromoform	5.0 U	46.2	50.0	92	48.7	50.0	97	58-133	5	30
Bromomethane	5.0 U	57.6	50.0	115	59.5	50.0	119	10-184	3	30
Carbon Disulfide	10 U	54.8	50.0	110	54.2	50.0	108	59-140	1	30
Carbon Tetrachloride	5.0 U	49.0	50.0	98	50.3	50.0	101	65-135	3	30
Chlorobenzene	5.0 U	45.3	50.0	91	47.1	50.0	94	76-125	4	30
Chloroethane	5.0 U	52.5	50.0	105	52.1	50.0	104	48-146	<1	30
Chloroform	5.0 U	51.9	50.0	104	52.7	50.0	105	75-130	2	30
Chloromethane	5.0 U	61.0	50.0	122	61.7	50.0	123	55-160	1	30
Cyclohexane	10 U	45.0	50.0	90	44.5	50.0	89	52-145	1	30
Dibromochloromethane	5.0 U	46.9	50.0	94	49.6	50.0	99	72-128	6	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23
Sample Matrix:	Water	**Date Received:**	05/19/23
		Date Analyzed:	05/31/23
		Date Extracted:	NA

Duplicate Matrix Spike Summary
Volatile Organic Compounds by GC/MS

Sample Name:	MW-19R	**Units:**	ug/L
Lab Code:	R2304484-019	**Basis:**	NA
Analysis Method:	8260C		
Prep Method:	EPA 5030C		

		Matrix Spike			Duplicate Matrix Spike					
		RQ2306700-05			RQ2306700-06					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Dichlorodifluoromethane (CFC 12)	5.0 U	46.1	50.0	92	47.0	50.0	94	49-154	2	30
Dichloromethane	5.0 U	53.1	50.0	106	54.8	50.0	110	73-122	3	30
Ethylbenzene	5.0 U	44.9	50.0	90	46.7	50.0	93	72-134	4	30
Isopropylbenzene (Cumene)	5.0 U	40.7	50.0	81	42.3	50.0	85	77-128	4	30
Methyl Acetate	10 U	40.2	50.0	80	41.5	50.0	83	26-121	3	30
Methyl tert-Butyl Ether	5.0 U	52.2	50.0	104	52.9	50.0	106	75-119	1	30
Methylcyclohexane	10 U	34.7	50.0	69	34.7	50.0	69	45-146	<1	30
Styrene	5.0 U	47.0	50.0	94	48.9	50.0	98	74-136	4	30
Tetrachloroethene (PCE)	5.0 U	41.2	50.0	82	42.3	50.0	85	72-125	3	30
Toluene	5.0 U	48.3	50.0	97	49.5	50.0	99	79-119	3	30
Trichloroethene (TCE)	5.0 U	47.6	50.0	95	48.1	50.0	96	74-122	<1	30
Trichlorofluoromethane (CFC 11)	5.0 U	55.4	50.0	111	55.6	50.0	111	71-136	<1	30
Vinyl Chloride	5.0 U	51.4	50.0	103	51.4	50.0	103	74-159	<1	30
cis-1,2-Dichloroethene	5.0 U	53.5	50.0	107	53.0	50.0	106	77-127	<1	30
cis-1,3-Dichloropropene	5.0 U	53.2	50.0	106	54.8	50.0	110	52-134	3	30
m,p-Xylenes	5.0 U	87.3	100	87	91.3	100	91	80-126	4	30
o-Xylene	5.0 U	45.8	50.0	92	47.4	50.0	95	79-123	3	30
trans-1,2-Dichloroethene	5.0 U	52.9	50.0	106	53.9	50.0	108	73-118	2	30
trans-1,3-Dichloropropene	5.0 U	52.3	50.0	105	54.7	50.0	109	71-133	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Matrix Spike and Matrix Spike Duplicate Data is presented for information purposes only. The matrix may or may not be relevant to samples reported in this report. The laboratory evaluates system performance based on the LCS and LCSD control limits.

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306660-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 22:31	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 22:31	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 22:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 22:31	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 22:31	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 22:31	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 22:31	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 22:31	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 22:31	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 22:31	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
1,4-Dioxane	100 U	100	1	05/30/23 22:31	
2-Butanone (MEK)	10 U	10	1	05/30/23 22:31	
2-Hexanone	10 U	10	1	05/30/23 22:31	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 22:31	
Acetone	10 U	10	1	05/30/23 22:31	
Benzene	5.0 U	5.0	1	05/30/23 22:31	
Bromochloromethane	5.0 U	5.0	1	05/30/23 22:31	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 22:31	
Bromoform	5.0 U	5.0	1	05/30/23 22:31	
Bromomethane	5.0 U	5.0	1	05/30/23 22:31	
Carbon Disulfide	10 U	10	1	05/30/23 22:31	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 22:31	
Chlorobenzene	5.0 U	5.0	1	05/30/23 22:31	
Chloroethane	5.0 U	5.0	1	05/30/23 22:31	
Chloroform	5.0 U	5.0	1	05/30/23 22:31	
Chloromethane	5.0 U	5.0	1	05/30/23 22:31	
Cyclohexane	10 U	10	1	05/30/23 22:31	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 22:31	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 22:31	
Dichloromethane	5.0 U	5.0	1	05/30/23 22:31	
Ethylbenzene	5.0 U	5.0	1	05/30/23 22:31	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 22:31	
Methyl Acetate	10 U	10	1	05/30/23 22:31	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 22:31	
Methylcyclohexane	10 U	10	1	05/30/23 22:31	
Styrene	5.0 U	5.0	1	05/30/23 22:31	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 22:31	
Toluene	5.0 U	5.0	1	05/30/23 22:31	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306660-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/30/23 22:31	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 22:31	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 22:31	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 22:31	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 22:31	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 22:31	
o-Xylene	5.0 U	5.0	1	05/30/23 22:31	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 22:31	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 22:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	05/30/23 22:31	
Dibromofluoromethane	95	80 - 116	05/30/23 22:31	
Toluene-d8	98	87 - 121	05/30/23 22:31	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306700-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 11:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 11:24	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 11:24	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 11:24	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,4-Dioxane	100 U	100	1	05/31/23 11:24	
2-Butanone (MEK)	10 U	10	1	05/31/23 11:24	
2-Hexanone	10 U	10	1	05/31/23 11:24	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 11:24	
Acetone	10 U	10	1	05/31/23 11:24	
Benzene	5.0 U	5.0	1	05/31/23 11:24	
Bromochloromethane	5.0 U	5.0	1	05/31/23 11:24	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 11:24	
Bromoform	5.0 U	5.0	1	05/31/23 11:24	
Bromomethane	5.0 U	5.0	1	05/31/23 11:24	
Carbon Disulfide	10 U	10	1	05/31/23 11:24	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 11:24	
Chlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
Chloroethane	5.0 U	5.0	1	05/31/23 11:24	
Chloroform	5.0 U	5.0	1	05/31/23 11:24	
Chloromethane	5.0 U	5.0	1	05/31/23 11:24	
Cyclohexane	10 U	10	1	05/31/23 11:24	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 11:24	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 11:24	
Dichloromethane	5.0 U	5.0	1	05/31/23 11:24	
Ethylbenzene	5.0 U	5.0	1	05/31/23 11:24	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 11:24	
Methyl Acetate	10 U	10	1	05/31/23 11:24	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 11:24	
Methylcyclohexane	10 U	10	1	05/31/23 11:24	
Styrene	5.0 U	5.0	1	05/31/23 11:24	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 11:24	
Toluene	5.0 U	5.0	1	05/31/23 11:24	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304484
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306700-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 11:24	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 11:24	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 11:24	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 11:24	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 11:24	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 11:24	
o-Xylene	5.0 U	5.0	1	05/31/23 11:24	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 11:24	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 11:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/31/23 11:24	
Dibromofluoromethane	95	80 - 116	05/31/23 11:24	
Toluene-d8	99	87 - 121	05/31/23 11:24	

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304484
Date Analyzed: 05/30/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306660-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	21.3	20.0	106	75-125
1,1,2,2-Tetrachloroethane	8260C	20.9	20.0	105	78-126
1,1,2-Trichloroethane	8260C	21.6	20.0	108	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	21.7	20.0	108	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	22.9	20.0	115	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	23.6	20.0	118	69-142
1,2,3-Trichlorobenzene	8260C	19.1	20.0	96	67-136
1,2,4-Trichlorobenzene	8260C	18.5	20.0	92	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	19.4	20.0	97	55-136
1,2-Dibromoethane	8260C	20.5	20.0	103	82-127
1,2-Dichlorobenzene	8260C	19.9	20.0	100	80-119
1,2-Dichloroethane	8260C	20.7	20.0	104	71-127
1,2-Dichloropropane	8260C	22.0	20.0	110	80-119
1,3-Dichlorobenzene	8260C	19.5	20.0	98	83-121
1,4-Dichlorobenzene	8260C	19.4	20.0	97	79-119
1,4-Dioxane	8260C	459	400	115	44-154
2-Butanone (MEK)	8260C	19.4	20.0	97	61-137
2-Hexanone	8260C	20.5	20.0	103	63-124
4-Methyl-2-pentanone	8260C	21.2	20.0	106	66-124
Acetone	8260C	19.2	20.0	96	40-161
Benzene	8260C	21.8	20.0	109	79-119
Bromochloromethane	8260C	23.2	20.0	116	81-126
Bromodichloromethane	8260C	20.0	20.0	100	81-123
Bromoform	8260C	19.9	20.0	100	65-146
Bromomethane	8260C	23.5	20.0	117	42-166
Carbon Disulfide	8260C	21.0	20.0	105	66-128
Carbon Tetrachloride	8260C	19.9	20.0	99	70-127
Chlorobenzene	8260C	20.1	20.0	101	80-121
Chloroethane	8260C	20.7	20.0	103	62-131
Chloroform	8260C	22.0	20.0	110	79-120
Chloromethane	8260C	24.7	20.0	124	72-179
Cyclohexane	8260C	21.0	20.0	105	69-120
Dibromochloromethane	8260C	19.9	20.0	99	72-128

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304484
Date Analyzed: 05/30/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306660-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	19.4	20.0	97	59-155
Dichloromethane	8260C	22.5	20.0	113	73-122
Ethylbenzene	8260C	20.4	20.0	102	76-120
Isopropylbenzene (Cumene)	8260C	20.5	20.0	103	77-128
Methyl Acetate	8260C	16.4	20.0	82	61-133
Methyl tert-Butyl Ether	8260C	22.5	20.0	112	75-118
Methylcyclohexane	8260C	21.4	20.0	107	51-129
Styrene	8260C	21.0	20.0	105	80-124
Tetrachloroethene (PCE)	8260C	19.2	20.0	96	72-125
Toluene	8260C	21.0	20.0	105	79-119
Trichloroethene (TCE)	8260C	20.3	20.0	101	74-122
Trichlorofluoromethane (CFC 11)	8260C	22.5	20.0	113	71-136
Vinyl Chloride	8260C	20.7	20.0	103	74-159
cis-1,2-Dichloroethene	8260C	22.6	20.0	113	80-121
cis-1,3-Dichloropropene	8260C	22.2	20.0	111	77-122
m,p-Xylenes	8260C	40.4	40.0	101	80-126
o-Xylene	8260C	20.6	20.0	103	79-123
trans-1,2-Dichloroethene	8260C	22.5	20.0	112	73-118
trans-1,3-Dichloropropene	8260C	22.3	20.0	111	71-133

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304484
Date Analyzed: 05/31/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306700-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.6	20.0	98	75-125
1,1,2,2-Tetrachloroethane	8260C	20.6	20.0	103	78-126
1,1,2-Trichloroethane	8260C	20.0	20.0	100	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	20.6	20.0	103	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	20.7	20.0	104	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.6	20.0	103	69-142
1,2,3-Trichlorobenzene	8260C	19.0	20.0	95	67-136
1,2,4-Trichlorobenzene	8260C	18.6	20.0	93	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.8	20.0	94	55-136
1,2-Dibromoethane	8260C	19.5	20.0	98	82-127
1,2-Dichlorobenzene	8260C	19.5	20.0	98	80-119
1,2-Dichloroethane	8260C	19.3	20.0	96	71-127
1,2-Dichloropropane	8260C	20.5	20.0	102	80-119
1,3-Dichlorobenzene	8260C	19.5	20.0	98	83-121
1,4-Dichlorobenzene	8260C	19.2	20.0	96	79-119
1,4-Dioxane	8260C	415	400	104	44-154
2-Butanone (MEK)	8260C	17.4	20.0	87	61-137
2-Hexanone	8260C	19.2	20.0	96	63-124
4-Methyl-2-pentanone	8260C	19.6	20.0	98	66-124
Acetone	8260C	16.1	20.0	81	40-161
Benzene	8260C	20.3	20.0	101	79-119
Bromochloromethane	8260C	20.4	20.0	102	81-126
Bromodichloromethane	8260C	19.1	20.0	95	81-123
Bromoform	8260C	19.0	20.0	95	65-146
Bromomethane	8260C	21.3	20.0	106	42-166
Carbon Disulfide	8260C	19.4	20.0	97	66-128
Carbon Tetrachloride	8260C	19.5	20.0	98	70-127
Chlorobenzene	8260C	19.7	20.0	99	80-121
Chloroethane	8260C	19.3	20.0	97	62-131
Chloroform	8260C	20.4	20.0	102	79-120
Chloromethane	8260C	22.5	20.0	112	72-179
Cyclohexane	8260C	20.6	20.0	103	69-120
Dibromochloromethane	8260C	19.3	20.0	96	72-128

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304484
Date Analyzed: 05/31/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306700-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	17.1	20.0	86	59-155
Dichloromethane	8260C	20.7	20.0	104	73-122
Ethylbenzene	8260C	20.1	20.0	101	76-120
Isopropylbenzene (Cumene)	8260C	20.2	20.0	101	77-128
Methyl Acetate	8260C	15.6	20.0	78	61-133
Methyl tert-Butyl Ether	8260C	20.7	20.0	103	75-118
Methylcyclohexane	8260C	21.3	20.0	107	51-129
Styrene	8260C	20.6	20.0	103	80-124
Tetrachloroethene (PCE)	8260C	19.3	20.0	97	72-125
Toluene	8260C	19.6	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.2	20.0	96	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.9	20.0	104	71-136
Vinyl Chloride	8260C	18.8	20.0	94	74-159
cis-1,2-Dichloroethene	8260C	20.5	20.0	103	80-121
cis-1,3-Dichloropropene	8260C	21.1	20.0	105	77-122
m,p-Xylenes	8260C	39.8	40.0	99	80-126
o-Xylene	8260C	19.9	20.0	100	79-123
trans-1,2-Dichloroethene	8260C	20.1	20.0	100	73-118
trans-1,3-Dichloropropene	8260C	21.0	20.0	105	71-133

June 05, 2023 Service Request No:R2304485

Ariadna Cheremeteff
Bergmann Associates, Incorporated
280 East Broad Street
Suite 200
Rochester, NY 14604

Laboratory Results for: Q2 Gowanda 2023

Dear Ariadna,

Enclosed are the results of the sample(s) submitted to our laboratory May 19, 2023
For your reference, these analyses have been assigned our service request number **R2304485.**

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7476. You may also contact me via email at Chris.Leavy@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Christopher Leavy
Project Manager

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Narrative Documents

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Phone (585) 288-5380 Fax (585) 288-8475
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Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023
Sample Matrix: Water

Service Request: R2304485
Date Received: 05/19/2023

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Eleven water samples were received for analysis at ALS Environmental on 05/19/2023. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by _____ Date 06/05/2023

SAMPLE DETECTION SUMMARY

This form includes only detections above the reporting levels. For a full listing of sample results, continue to the Sample Results section of this Report.

CLIENT ID: MW-21			Lab ID: R2304485-001			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	5.8			5.0	ug/L	8260C

CLIENT ID: DR-1			Lab ID: R2304485-002			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	100			13	ug/L	8260C
Trichloroethene (TCE)	270			13	ug/L	8260C

CLIENT ID: DR-2			Lab ID: R2304485-003			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	62			5.0	ug/L	8260C
Trichloroethene (TCE)	15			5.0	ug/L	8260C

CLIENT ID: DR-3			Lab ID: R2304485-004			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	35			5.0	ug/L	8260C
Trichloroethene (TCE)	18			5.0	ug/L	8260C

CLIENT ID: G-1			Lab ID: R2304485-006			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	28			5.0	ug/L	8260C
Trichloroethene (TCE)	6.5			5.0	ug/L	8260C

CLIENT ID: G-2			Lab ID: R2304485-007			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	24			5.0	ug/L	8260C

CLIENT ID: G-3			Lab ID: R2304485-008			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	120			5.0	ug/L	8260C
Trichloroethene (TCE)	18			5.0	ug/L	8260C

CLIENT ID: MW-X			Lab ID: R2304485-009			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
cis-1,2-Dichloroethene	120			5.0	ug/L	8260C
cis-1,2-Dichloroethene	100	D		13	ug/L	8260C
trans-1,2-Dichloroethene	9.0			5.0	ug/L	8260C
Trichloroethene (TCE)	210	E		5.0	ug/L	8260C
Trichloroethene (TCE)	170	D		13	ug/L	8260C
Vinyl Chloride	5.6			5.0	ug/L	8260C

CLIENT ID: DR-4			Lab ID: R2304485-005			
Analyte	**Results**	**Flag**	**MDL**	**MRL**	**Units**	**Method**
Trichloroethene (TCE)	14			5.0	ug/L	8260C

Sample Receipt Information

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Bergmann Associates, Incorporated **Service Request:**R2304485
Project: Q2 Gowanda 2023/14263.12

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
R2304485-001	MW-21	5/19/2023	1045
R2304485-002	DR-1	5/18/2023	1230
R2304485-003	DR-2	5/18/2023	1158
R2304485-004	DR-3	5/18/2023	1110
R2304485-005	DR-4	5/18/2023	1036
R2304485-006	G-1	5/18/2023	0944
R2304485-007	G-2	5/18/2023	0918
R2304485-008	G-3	5/18/2023	1423
R2304485-009	MW-X	5/18/2023	
R2304485-010	Field Blank	5/19/2023	1050
R2304485-011	Trip Blank	5/16/2023	

Chain of Custody / Analytical Request Form

68290B

SR#:

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1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:	ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER
Company: Bergmann	Project Name: Q2 Gowanda 2023
Contact: Justin L. O'Brien	Project Number: 14263.12
Email: JOBrien@bergmannpc.com	ALS Quote #: R-0034-62-23
Phone: 607-743-1412	Sampler's Signature:
Address: 780 E Broad St #200	Email CC:
Rochester, NY 14604	Email CC:
	State Samples Collected (Circle or Write): (NY), MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	MW-21	5/19/23	1045	GW	3		X							
	DR-1	5/18/23	1230	GW	3		X							
	DR-2	5/18/23	1158	GW	3		X							
	DR-3	5/18/23	1110	GW	3		X							
	DR-4	5/18/23	1036	GW	3		X							
	G-1	5/18/23	0944	GW	3		X							
	G-2	5/18/23	0918	GW	3		X							
	G-3	5/18/23	1423	GW	3		X							
	MW-X	5/18/23		GW	3		X							
	Field Blank	5/19/23	1050	W	3		X							

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Excel

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:

Company:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Justin L. O'Brien					
Company	Bergmann					
Date/Time	5/19/23 1328	5/19/23 1328				

R2304485 5
Bergmann Associates, Incorporated
Q2 Gowanda 2023

Chain of Custody / Analytical Request Form

68290C

SR#:

Page 4 of 4

1565 Jefferson Road, Building 300, Suite 360 • Rochester, NY 14623 • +1 585 288 5380 • alsglobal.com

Report To:

Company: Bergmann
Contact: Justin L. O'Brien
Email: JOBrien@BergmannAssoc.com
Phone: 607-743-1417
Address: 280 E Broad St #200
Rochester, NY 14604

ALL SHADED AREAS MUST BE COMPLETED BY THE CLIENT / SAMPLER

Project Name: Q2 Gowanda 2023
Project Number: 14863.12
ALS Quote #: R-0039-62-23
Sampler's Signature:
Email CC:
Email CC:
State Samples Collected (Circle or Write): NY, MA, PA, CT, Other:

Preservative: 0. None; 1. HCl; 2. HNO3; 3. H2SO4; 4. NAOH; 5. Zn Acet.; 6. MeOH; 7. NaHSO4; 8. Other

Lab ID (ALS)	Sample ID:	Date	Time	Matrix (GW WW SW DW S L NA)	Number of Containers	MS/MSD?	GC/MS VOA - 8260•624•524•TCLP	GC/MS SVOA - 8270 • 625 • TCLP	Pesticides - 8081 • 608 • TCLP	PCBs - 8082 • 608	Herbicides - 8151 • TCLP	Metals, Total - Select Below	Metals, Dissolved - Field / In-Lab Filter	Notes:
	Trip Blank (ALS Supplied)	5/16/23	12:00	W	3		X							

Special Instructions / Comments:

Turnaround Requirements

____Rush (Surcharges Apply)
Subject to Availability
Please Check with your PM
X Standard (10 Business Days)
Date Required:

Report Requirements

____Tier II/Cat A -Results/QC
____Tier IV/Cat B - Data Validation Report w/. Data
EDD: X Yes ____No
EDD Type: Excel

Metals: RCRA 8•PP 13•TAL 23•TCLP•Other (List)

VOA/SVOA Report List: TCL • BTEX • TCLP • CP-51/Stars •THM • Other: _____

Invoice To: (□ Same as Report To)

PO #:
Company:

	Relinquished By:	Received By:	Relinquished By:	Received By:	Relinquished By:	Received By:
Signature						
Printed Name	Justin L. O'Brien					
Company	Bergmann	ALS				
Date/Time	5/19/23 1328	5/19/23 1328				

R2304485 5
Bergmann Associates, Incorporated
Q2 Gowanda 2023

Cooler Receipt and Preservation Check Form

Project/Client Bergmann Folder Number

Cooler received on 5/19 by: BM COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were **Custody seals** on outside of cooler?	Y (N)	5a	**Perchlorate** samples have required headspace?	Y N (NA)
2	**Custody papers** properly completed (ink, signed)?	(Y) N	5b	Did VOA vials, Alk,or Sulfide have sig* **bubbles**?	Y (N) NA
3	Did all bottles arrive in good **condition** (unbroken)?	(Y) N	6	Where did the bottles originate?	ALS/ROC CLIENT
4	Circle: ~~Wet Ice~~ **Dry Ice Gel packs** present?	(Y) N	7	Soil VOA received as: Bulk Encore 5035set	(NA)

8. Temperature Readings Date: 5/19 Time: 1345 ID: IR#12 ~~IR#1~~ From: (Temp Blank) Sample Bottle

Observed Temp (°C)	18.1						
Within 0-6°C?	Y (N)	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: Ice melted (Poorly Packed (described below) Same Day Rule

&Client Approval to Run Samples: Standing Approval Client aware at drop-off Client notified by:

All samples held in storage location: Rack by BM on 5/19 at 1355
5035 samples placed in storage location: by on at within 48 hours of sampling? Y N

Cooler Breakdown/Preservation Check**: Date: 5/22/23 Time: 14:15 by: MM

9. Were all bottle labels complete (*i.e.* analysis, preservation, etc.)? (YES) NO
10. Did all bottle labels and tags agree with custody papers? (YES) NO
11. Were correct containers used for the tests indicated? (YES) NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO (N/A)
13. Were dissolved metals filtered in the field? YES NO (N/A)
14. Air Samples: Cassettes / Tubes Intact Y / N with MS Y / N Canisters Pressurized Tedlar® Bags Inflated (N/A)

pH	Lot of test paper	Reagent	Preserved? Yes	Preserved? No	Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
≥12		NaOH								
≤2		HNO_3								
≤2		H_2SO_4								
<4		$NaHSO_4$								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add $Na_2S_2O_3$ (625, 608, CN), ascorbic (phenol).					
		$Na_2S_2O_3$								
		ZnAcetate	-	-						
		HCl	**	**	22080153	6/25				

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 120522-3AXH

Explain all Discrepancies/ Other Comments:

Ice on bag only

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: MM

PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

Miscellaneous Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.

J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).

B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.

E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.

E Organics- Concentration has exceeded the calibration range for that specific analysis.

D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.

* Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.

H Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.

Spike was diluted out.

+ Correlation coefficient for MSA is <0.995.

N Inorganics- Matrix spike recovery was outside laboratory limits.

N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.

S Concentration has been determined using Method of Standard Additions (MSA).

W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.

P Concentration >40% difference between the two GC columns.

C Confirmed by GC/MS

Q DoD reports: indicates a pesticide/Aroclor is not confirmed (≥100% Difference between two GC columns).

X See Case Narrative for discussion.

MRL Method Reporting Limit. Also known as:
LOQ Limit of Quantitation (LOQ)
The lowest concentration at which the method analyte may be reliably quantified under the method conditions.

MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).

LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.

ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.

Rochester Lab ID # for State Accreditations[1]

NELAP States
Florida ID # E87674
New Hampshire ID # 2941
New York ID # 10145
Pennsylvania ID# 68-786
Virginia #460167

Non-NELAP States
Connecticut ID #PH0556
Delaware Approved
Maine ID #NY01587
North Carolina #36701
North Carolina #676
Rhode Island LAO00333

[1] Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: Bergmann Associates, Incorporated **Service Request:** R2304485
Project: Q2 Gowanda 2023/14263.12

Sample Name: MW-21 **Date Collected:** 05/19/23
Lab Code: R2304485-001 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DR-1 **Date Collected:** 05/18/23
Lab Code: R2304485-002 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DR-2 **Date Collected:** 05/18/23
Lab Code: R2304485-003 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DR-3 **Date Collected:** 05/18/23
Lab Code: R2304485-004 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: DR-4 **Date Collected:** 05/18/23
Lab Code: R2304485-005 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client: Bergmann Associates, Incorporated **Service Request:** R2304485
Project: Q2 Gowanda 2023/14263.12

Sample Name: G-1 **Date Collected:** 05/18/23
Lab Code: R2304485-006 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: G-2 **Date Collected:** 05/18/23
Lab Code: R2304485-007 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: G-3 **Date Collected:** 05/18/23
Lab Code: R2304485-008 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-X **Date Collected:** 05/18/23
Lab Code: R2304485-009 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name: MW-X **Date Collected:** 05/18/23
Lab Code: R2304485-009.R01 **Date Received:** 05/19/23
Sample Matrix: Water

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12		

Sample Name:	Field Blank	**Date Collected:**	05/19/23
Lab Code:	R2304485-010	**Date Received:**	05/19/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

Sample Name:	Trip Blank	**Date Collected:**	05/16/23
Lab Code:	R2304485-011	**Date Received:**	05/19/23
Sample Matrix:	Water		

Analysis Method	Extracted/Digested By	Analyzed By
8260C		KRUEST

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	

Sample Results

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:45
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-21	**Units:**	ug/L
Lab Code:	R2304485-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 12:42	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 12:42	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 12:42	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 12:42	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 12:42	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 12:42	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 12:42	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 12:42	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 12:42	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 12:42	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
1,4-Dioxane	100 U	100	1	05/31/23 12:42	
2-Butanone (MEK)	10 U	10	1	05/31/23 12:42	
2-Hexanone	10 U	10	1	05/31/23 12:42	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 12:42	
Acetone	10 U	10	1	05/31/23 12:42	
Benzene	5.0 U	5.0	1	05/31/23 12:42	
Bromochloromethane	5.0 U	5.0	1	05/31/23 12:42	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 12:42	
Bromoform	5.0 U	5.0	1	05/31/23 12:42	
Bromomethane	5.0 U	5.0	1	05/31/23 12:42	
Carbon Disulfide	10 U	10	1	05/31/23 12:42	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 12:42	
Chlorobenzene	5.0 U	5.0	1	05/31/23 12:42	
Chloroethane	5.0 U	5.0	1	05/31/23 12:42	
Chloroform	5.0 U	5.0	1	05/31/23 12:42	
Chloromethane	5.0 U	5.0	1	05/31/23 12:42	
Cyclohexane	10 U	10	1	05/31/23 12:42	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 12:42	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 12:42	
Dichloromethane	5.0 U	5.0	1	05/31/23 12:42	
Ethylbenzene	5.0 U	5.0	1	05/31/23 12:42	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 12:42	
Methyl Acetate	10 U	10	1	05/31/23 12:42	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 12:42	
Methylcyclohexane	10 U	10	1	05/31/23 12:42	
Styrene	5.0 U	5.0	1	05/31/23 12:42	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 12:42	
Toluene	5.0 U	5.0	1	05/31/23 12:42	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:45
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-21	**Units:**	ug/L
Lab Code:	R2304485-001	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 12:42	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 12:42	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 12:42	
cis-1,2-Dichloroethene	**5.8**	5.0	1	05/31/23 12:42	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 12:42	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 12:42	
o-Xylene	5.0 U	5.0	1	05/31/23 12:42	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 12:42	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 12:42	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	103	85 - 122	05/31/23 12:42	
Dibromofluoromethane	96	80 - 116	05/31/23 12:42	
Toluene-d8	98	87 - 121	05/31/23 12:42	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:30
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-1	**Units:**	ug/L
Lab Code:	R2304485-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	13 U	13	2.5	05/31/23 13:05	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	05/31/23 13:05	
1,1,2-Trichloroethane	13 U	13	2.5	05/31/23 13:05	
1,1,2-Trichloro-1,2,2-trifluoroethane	13 U	13	2.5	05/31/23 13:05	
1,1-Dichloroethane (1,1-DCA)	13 U	13	2.5	05/31/23 13:05	
1,1-Dichloroethene (1,1-DCE)	13 U	13	2.5	05/31/23 13:05	
1,2,3-Trichlorobenzene	13 U	13	2.5	05/31/23 13:05	
1,2,4-Trichlorobenzene	13 U	13	2.5	05/31/23 13:05	
1,2-Dibromo-3-chloropropane (DBCP)	13 U	13	2.5	05/31/23 13:05	
1,2-Dibromoethane	13 U	13	2.5	05/31/23 13:05	
1,2-Dichlorobenzene	13 U	13	2.5	05/31/23 13:05	
1,2-Dichloroethane	13 U	13	2.5	05/31/23 13:05	
1,2-Dichloropropane	13 U	13	2.5	05/31/23 13:05	
1,3-Dichlorobenzene	13 U	13	2.5	05/31/23 13:05	
1,4-Dichlorobenzene	13 U	13	2.5	05/31/23 13:05	
1,4-Dioxane	250 U	250	2.5	05/31/23 13:05	
2-Butanone (MEK)	25 U	25	2.5	05/31/23 13:05	
2-Hexanone	25 U	25	2.5	05/31/23 13:05	
4-Methyl-2-pentanone	25 U	25	2.5	05/31/23 13:05	
Acetone	25 U	25	2.5	05/31/23 13:05	
Benzene	13 U	13	2.5	05/31/23 13:05	
Bromochloromethane	13 U	13	2.5	05/31/23 13:05	
Bromodichloromethane	13 U	13	2.5	05/31/23 13:05	
Bromoform	13 U	13	2.5	05/31/23 13:05	
Bromomethane	13 U	13	2.5	05/31/23 13:05	
Carbon Disulfide	25 U	25	2.5	05/31/23 13:05	
Carbon Tetrachloride	13 U	13	2.5	05/31/23 13:05	
Chlorobenzene	13 U	13	2.5	05/31/23 13:05	
Chloroethane	13 U	13	2.5	05/31/23 13:05	
Chloroform	13 U	13	2.5	05/31/23 13:05	
Chloromethane	13 U	13	2.5	05/31/23 13:05	
Cyclohexane	25 U	25	2.5	05/31/23 13:05	
Dibromochloromethane	13 U	13	2.5	05/31/23 13:05	
Dichlorodifluoromethane (CFC 12)	13 U	13	2.5	05/31/23 13:05	
Dichloromethane	13 U	13	2.5	05/31/23 13:05	
Ethylbenzene	13 U	13	2.5	05/31/23 13:05	
Isopropylbenzene (Cumene)	13 U	13	2.5	05/31/23 13:05	
Methyl Acetate	25 U	25	2.5	05/31/23 13:05	
Methyl tert-Butyl Ether	13 U	13	2.5	05/31/23 13:05	
Methylcyclohexane	25 U	25	2.5	05/31/23 13:05	
Styrene	13 U	13	2.5	05/31/23 13:05	
Tetrachloroethene (PCE)	13 U	13	2.5	05/31/23 13:05	
Toluene	13 U	13	2.5	05/31/23 13:05	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 12:30
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-1	**Units:**	ug/L
Lab Code:	R2304485-002	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**270**	13	2.5	05/31/23 13:05	
Trichlorofluoromethane (CFC 11)	13 U	13	2.5	05/31/23 13:05	
Vinyl Chloride	13 U	13	2.5	05/31/23 13:05	
cis-1,2-Dichloroethene	**100**	13	2.5	05/31/23 13:05	
cis-1,3-Dichloropropene	13 U	13	2.5	05/31/23 13:05	
m,p-Xylenes	13 U	13	2.5	05/31/23 13:05	
o-Xylene	13 U	13	2.5	05/31/23 13:05	
trans-1,2-Dichloroethene	13 U	13	2.5	05/31/23 13:05	
trans-1,3-Dichloropropene	13 U	13	2.5	05/31/23 13:05	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	05/31/23 13:05	
Dibromofluoromethane	97	80 - 116	05/31/23 13:05	
Toluene-d8	98	87 - 121	05/31/23 13:05	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 11:58
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-2	**Units:**	ug/L
Lab Code:	R2304485-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 17:08	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 17:08	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 17:08	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 17:08	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 17:08	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 17:08	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 17:08	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 17:08	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 17:08	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 17:08	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
1,4-Dioxane	100 U	100	1	05/30/23 17:08	
2-Butanone (MEK)	10 U	10	1	05/30/23 17:08	
2-Hexanone	10 U	10	1	05/30/23 17:08	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 17:08	
Acetone	10 U	10	1	05/30/23 17:08	
Benzene	5.0 U	5.0	1	05/30/23 17:08	
Bromochloromethane	5.0 U	5.0	1	05/30/23 17:08	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 17:08	
Bromoform	5.0 U	5.0	1	05/30/23 17:08	
Bromomethane	5.0 U	5.0	1	05/30/23 17:08	
Carbon Disulfide	10 U	10	1	05/30/23 17:08	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 17:08	
Chlorobenzene	5.0 U	5.0	1	05/30/23 17:08	
Chloroethane	5.0 U	5.0	1	05/30/23 17:08	
Chloroform	5.0 U	5.0	1	05/30/23 17:08	
Chloromethane	5.0 U	5.0	1	05/30/23 17:08	
Cyclohexane	10 U	10	1	05/30/23 17:08	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 17:08	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 17:08	
Dichloromethane	5.0 U	5.0	1	05/30/23 17:08	
Ethylbenzene	5.0 U	5.0	1	05/30/23 17:08	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 17:08	
Methyl Acetate	10 U	10	1	05/30/23 17:08	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 17:08	
Methylcyclohexane	10 U	10	1	05/30/23 17:08	
Styrene	5.0 U	5.0	1	05/30/23 17:08	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 17:08	
Toluene	5.0 U	5.0	1	05/30/23 17:08	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 11:58
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-2	**Units:**	ug/L
Lab Code:	R2304485-003	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**15**	5.0	1	05/30/23 17:08	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 17:08	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 17:08	
cis-1,2-Dichloroethene	**62**	5.0	1	05/30/23 17:08	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:08	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 17:08	
o-Xylene	5.0 U	5.0	1	05/30/23 17:08	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 17:08	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:08	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	05/30/23 17:08	
Dibromofluoromethane	95	80 - 116	05/30/23 17:08	
Toluene-d8	97	87 - 121	05/30/23 17:08	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 11:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-3	**Units:**	ug/L
Lab Code:	R2304485-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 17:31	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 17:31	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 17:31	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 17:31	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 17:31	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 17:31	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 17:31	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 17:31	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 17:31	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 17:31	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
1,4-Dioxane	100 U	100	1	05/30/23 17:31	
2-Butanone (MEK)	10 U	10	1	05/30/23 17:31	
2-Hexanone	10 U	10	1	05/30/23 17:31	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 17:31	
Acetone	10 U	10	1	05/30/23 17:31	
Benzene	5.0 U	5.0	1	05/30/23 17:31	
Bromochloromethane	5.0 U	5.0	1	05/30/23 17:31	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 17:31	
Bromoform	5.0 U	5.0	1	05/30/23 17:31	
Bromomethane	5.0 U	5.0	1	05/30/23 17:31	
Carbon Disulfide	10 U	10	1	05/30/23 17:31	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 17:31	
Chlorobenzene	5.0 U	5.0	1	05/30/23 17:31	
Chloroethane	5.0 U	5.0	1	05/30/23 17:31	
Chloroform	5.0 U	5.0	1	05/30/23 17:31	
Chloromethane	5.0 U	5.0	1	05/30/23 17:31	
Cyclohexane	10 U	10	1	05/30/23 17:31	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 17:31	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 17:31	
Dichloromethane	5.0 U	5.0	1	05/30/23 17:31	
Ethylbenzene	5.0 U	5.0	1	05/30/23 17:31	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 17:31	
Methyl Acetate	10 U	10	1	05/30/23 17:31	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 17:31	
Methylcyclohexane	10 U	10	1	05/30/23 17:31	
Styrene	5.0 U	5.0	1	05/30/23 17:31	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 17:31	
Toluene	5.0 U	5.0	1	05/30/23 17:31	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 11:10
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-3	**Units:**	ug/L
Lab Code:	R2304485-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**18**	5.0	1	05/30/23 17:31	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 17:31	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 17:31	
cis-1,2-Dichloroethene	**35**	5.0	1	05/30/23 17:31	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:31	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 17:31	
o-Xylene	5.0 U	5.0	1	05/30/23 17:31	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 17:31	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:31	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	108	85 - 122	05/30/23 17:31	
Dibromofluoromethane	100	80 - 116	05/30/23 17:31	
Toluene-d8	101	87 - 121	05/30/23 17:31	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 10:36
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-4	**Units:**	ug/L
Lab Code:	R2304485-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 17:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 17:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 17:54	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 17:54	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 17:54	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 17:54	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 17:54	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 17:54	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 17:54	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 17:54	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
1,4-Dioxane	100 U	100	1	05/30/23 17:54	
2-Butanone (MEK)	10 U	10	1	05/30/23 17:54	
2-Hexanone	10 U	10	1	05/30/23 17:54	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 17:54	
Acetone	10 U	10	1	05/30/23 17:54	
Benzene	5.0 U	5.0	1	05/30/23 17:54	
Bromochloromethane	5.0 U	5.0	1	05/30/23 17:54	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 17:54	
Bromoform	5.0 U	5.0	1	05/30/23 17:54	
Bromomethane	5.0 U	5.0	1	05/30/23 17:54	
Carbon Disulfide	10 U	10	1	05/30/23 17:54	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 17:54	
Chlorobenzene	5.0 U	5.0	1	05/30/23 17:54	
Chloroethane	5.0 U	5.0	1	05/30/23 17:54	
Chloroform	5.0 U	5.0	1	05/30/23 17:54	
Chloromethane	5.0 U	5.0	1	05/30/23 17:54	
Cyclohexane	10 U	10	1	05/30/23 17:54	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 17:54	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 17:54	
Dichloromethane	5.0 U	5.0	1	05/30/23 17:54	
Ethylbenzene	5.0 U	5.0	1	05/30/23 17:54	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 17:54	
Methyl Acetate	10 U	10	1	05/30/23 17:54	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 17:54	
Methylcyclohexane	10 U	10	1	05/30/23 17:54	
Styrene	5.0 U	5.0	1	05/30/23 17:54	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 17:54	
Toluene	5.0 U	5.0	1	05/30/23 17:54	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 10:36
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	DR-4	**Units:**	ug/L
Lab Code:	R2304485-005	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**14**	5.0	1	05/30/23 17:54	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 17:54	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 17:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 17:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:54	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 17:54	
o-Xylene	5.0 U	5.0	1	05/30/23 17:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 17:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 17:54	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	05/30/23 17:54	
Dibromofluoromethane	95	80 - 116	05/30/23 17:54	
Toluene-d8	97	87 - 121	05/30/23 17:54	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 09:44
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-1	**Units:**	ug/L
Lab Code:	R2304485-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 18:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 18:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 18:17	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 18:17	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 18:17	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 18:17	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 18:17	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 18:17	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 18:17	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 18:17	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
1,4-Dioxane	100 U	100	1	05/30/23 18:17	
2-Butanone (MEK)	10 U	10	1	05/30/23 18:17	
2-Hexanone	10 U	10	1	05/30/23 18:17	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 18:17	
Acetone	10 U	10	1	05/30/23 18:17	
Benzene	5.0 U	5.0	1	05/30/23 18:17	
Bromochloromethane	5.0 U	5.0	1	05/30/23 18:17	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 18:17	
Bromoform	5.0 U	5.0	1	05/30/23 18:17	
Bromomethane	5.0 U	5.0	1	05/30/23 18:17	
Carbon Disulfide	10 U	10	1	05/30/23 18:17	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 18:17	
Chlorobenzene	5.0 U	5.0	1	05/30/23 18:17	
Chloroethane	5.0 U	5.0	1	05/30/23 18:17	
Chloroform	5.0 U	5.0	1	05/30/23 18:17	
Chloromethane	5.0 U	5.0	1	05/30/23 18:17	
Cyclohexane	10 U	10	1	05/30/23 18:17	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 18:17	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 18:17	
Dichloromethane	5.0 U	5.0	1	05/30/23 18:17	
Ethylbenzene	5.0 U	5.0	1	05/30/23 18:17	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 18:17	
Methyl Acetate	10 U	10	1	05/30/23 18:17	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 18:17	
Methylcyclohexane	10 U	10	1	05/30/23 18:17	
Styrene	5.0 U	5.0	1	05/30/23 18:17	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 18:17	
Toluene	5.0 U	5.0	1	05/30/23 18:17	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 09:44
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-1	**Units:**	ug/L
Lab Code:	R2304485-006	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**6.5**	5.0	1	05/30/23 18:17	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 18:17	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 18:17	
cis-1,2-Dichloroethene	**28**	5.0	1	05/30/23 18:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 18:17	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 18:17	
o-Xylene	5.0 U	5.0	1	05/30/23 18:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 18:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 18:17	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/30/23 18:17	
Dibromofluoromethane	96	80 - 116	05/30/23 18:17	
Toluene-d8	98	87 - 121	05/30/23 18:17	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 09:18
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-2	**Units:**	ug/L
Lab Code:	R2304485-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 18:40	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 18:40	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 18:40	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 18:40	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 18:40	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 18:40	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 18:40	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 18:40	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 18:40	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 18:40	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
1,4-Dioxane	100 U	100	1	05/30/23 18:40	
2-Butanone (MEK)	10 U	10	1	05/30/23 18:40	
2-Hexanone	10 U	10	1	05/30/23 18:40	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 18:40	
Acetone	10 U	10	1	05/30/23 18:40	
Benzene	5.0 U	5.0	1	05/30/23 18:40	
Bromochloromethane	5.0 U	5.0	1	05/30/23 18:40	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 18:40	
Bromoform	5.0 U	5.0	1	05/30/23 18:40	
Bromomethane	5.0 U	5.0	1	05/30/23 18:40	
Carbon Disulfide	10 U	10	1	05/30/23 18:40	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 18:40	
Chlorobenzene	5.0 U	5.0	1	05/30/23 18:40	
Chloroethane	5.0 U	5.0	1	05/30/23 18:40	
Chloroform	5.0 U	5.0	1	05/30/23 18:40	
Chloromethane	5.0 U	5.0	1	05/30/23 18:40	
Cyclohexane	10 U	10	1	05/30/23 18:40	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 18:40	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 18:40	
Dichloromethane	5.0 U	5.0	1	05/30/23 18:40	
Ethylbenzene	5.0 U	5.0	1	05/30/23 18:40	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 18:40	
Methyl Acetate	10 U	10	1	05/30/23 18:40	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 18:40	
Methylcyclohexane	10 U	10	1	05/30/23 18:40	
Styrene	5.0 U	5.0	1	05/30/23 18:40	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 18:40	
Toluene	5.0 U	5.0	1	05/30/23 18:40	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 09:18
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-2	**Units:**	ug/L
Lab Code:	R2304485-007	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/30/23 18:40	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 18:40	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 18:40	
cis-1,2-Dichloroethene	**24**	5.0	1	05/30/23 18:40	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 18:40	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 18:40	
o-Xylene	5.0 U	5.0	1	05/30/23 18:40	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 18:40	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 18:40	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	95	85 - 122	05/30/23 18:40	
Dibromofluoromethane	96	80 - 116	05/30/23 18:40	
Toluene-d8	97	87 - 121	05/30/23 18:40	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 14:23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-3	**Units:**	ug/L
Lab Code:	R2304485-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 16:45	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 16:45	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 16:45	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 16:45	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 16:45	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 16:45	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 16:45	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 16:45	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 16:45	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 16:45	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
1,4-Dioxane	100 U	100	1	05/30/23 16:45	
2-Butanone (MEK)	10 U	10	1	05/30/23 16:45	
2-Hexanone	10 U	10	1	05/30/23 16:45	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 16:45	
Acetone	10 U	10	1	05/30/23 16:45	
Benzene	5.0 U	5.0	1	05/30/23 16:45	
Bromochloromethane	5.0 U	5.0	1	05/30/23 16:45	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 16:45	
Bromoform	5.0 U	5.0	1	05/30/23 16:45	
Bromomethane	5.0 U	5.0	1	05/30/23 16:45	
Carbon Disulfide	10 U	10	1	05/30/23 16:45	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 16:45	
Chlorobenzene	5.0 U	5.0	1	05/30/23 16:45	
Chloroethane	5.0 U	5.0	1	05/30/23 16:45	
Chloroform	5.0 U	5.0	1	05/30/23 16:45	
Chloromethane	5.0 U	5.0	1	05/30/23 16:45	
Cyclohexane	10 U	10	1	05/30/23 16:45	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 16:45	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 16:45	
Dichloromethane	5.0 U	5.0	1	05/30/23 16:45	
Ethylbenzene	5.0 U	5.0	1	05/30/23 16:45	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 16:45	
Methyl Acetate	10 U	10	1	05/30/23 16:45	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 16:45	
Methylcyclohexane	10 U	10	1	05/30/23 16:45	
Styrene	5.0 U	5.0	1	05/30/23 16:45	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 16:45	
Toluene	5.0 U	5.0	1	05/30/23 16:45	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23 14:23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	G-3	**Units:**	ug/L
Lab Code:	R2304485-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**18**	5.0	1	05/30/23 16:45	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 16:45	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 16:45	
cis-1,2-Dichloroethene	**120**	5.0	1	05/30/23 16:45	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 16:45	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 16:45	
o-Xylene	5.0 U	5.0	1	05/30/23 16:45	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 16:45	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 16:45	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/30/23 16:45	
Dibromofluoromethane	102	80 - 116	05/30/23 16:45	
Toluene-d8	101	87 - 121	05/30/23 16:45	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-X	**Units:**	ug/L
Lab Code:	R2304485-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 12:19	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 12:19	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 12:19	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 12:19	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 12:19	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 12:19	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 12:19	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 12:19	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 12:19	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 12:19	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
1,4-Dioxane	100 U	100	1	05/31/23 12:19	
2-Butanone (MEK)	10 U	10	1	05/31/23 12:19	
2-Hexanone	10 U	10	1	05/31/23 12:19	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 12:19	
Acetone	10 U	10	1	05/31/23 12:19	
Benzene	5.0 U	5.0	1	05/31/23 12:19	
Bromochloromethane	5.0 U	5.0	1	05/31/23 12:19	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 12:19	
Bromoform	5.0 U	5.0	1	05/31/23 12:19	
Bromomethane	5.0 U	5.0	1	05/31/23 12:19	
Carbon Disulfide	10 U	10	1	05/31/23 12:19	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 12:19	
Chlorobenzene	5.0 U	5.0	1	05/31/23 12:19	
Chloroethane	5.0 U	5.0	1	05/31/23 12:19	
Chloroform	5.0 U	5.0	1	05/31/23 12:19	
Chloromethane	5.0 U	5.0	1	05/31/23 12:19	
Cyclohexane	10 U	10	1	05/31/23 12:19	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 12:19	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 12:19	
Dichloromethane	5.0 U	5.0	1	05/31/23 12:19	
Ethylbenzene	5.0 U	5.0	1	05/31/23 12:19	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 12:19	
Methyl Acetate	10 U	10	1	05/31/23 12:19	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 12:19	
Methylcyclohexane	10 U	10	1	05/31/23 12:19	
Styrene	5.0 U	5.0	1	05/31/23 12:19	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 12:19	
Toluene	5.0 U	5.0	1	05/31/23 12:19	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-X	**Units:**	ug/L
Lab Code:	R2304485-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result		MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**210**	**E**	5.0	1	05/31/23 12:19	
Trichlorofluoromethane (CFC 11)	5.0	U	5.0	1	05/31/23 12:19	
Vinyl Chloride	**5.6**		5.0	1	05/31/23 12:19	
cis-1,2-Dichloroethene	**120**		5.0	1	05/31/23 12:19	
cis-1,3-Dichloropropene	5.0	U	5.0	1	05/31/23 12:19	
m,p-Xylenes	5.0	U	5.0	1	05/31/23 12:19	
o-Xylene	5.0	U	5.0	1	05/31/23 12:19	
trans-1,2-Dichloroethene	**9.0**		5.0	1	05/31/23 12:19	
trans-1,3-Dichloropropene	5.0	U	5.0	1	05/31/23 12:19	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	05/31/23 12:19	
Dibromofluoromethane	96	80 - 116	05/31/23 12:19	
Toluene-d8	97	87 - 121	05/31/23 12:19	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-X	**Units:**	ug/L
Lab Code:	R2304485-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	13 U	13	2.5	05/31/23 16:32	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	05/31/23 16:32	
1,1,2-Trichloroethane	13 U	13	2.5	05/31/23 16:32	
1,1,2-Trichloro-1,2,2-trifluoroethane	13 U	13	2.5	05/31/23 16:32	
1,1-Dichloroethane (1,1-DCA)	13 U	13	2.5	05/31/23 16:32	
1,1-Dichloroethene (1,1-DCE)	13 U	13	2.5	05/31/23 16:32	
1,2,3-Trichlorobenzene	13 U	13	2.5	05/31/23 16:32	
1,2,4-Trichlorobenzene	13 U	13	2.5	05/31/23 16:32	
1,2-Dibromo-3-chloropropane (DBCP)	13 U	13	2.5	05/31/23 16:32	
1,2-Dibromoethane	13 U	13	2.5	05/31/23 16:32	
1,2-Dichlorobenzene	13 U	13	2.5	05/31/23 16:32	
1,2-Dichloroethane	13 U	13	2.5	05/31/23 16:32	
1,2-Dichloropropane	13 U	13	2.5	05/31/23 16:32	
1,3-Dichlorobenzene	13 U	13	2.5	05/31/23 16:32	
1,4-Dichlorobenzene	13 U	13	2.5	05/31/23 16:32	
1,4-Dioxane	250 U	250	2.5	05/31/23 16:32	
2-Butanone (MEK)	25 U	25	2.5	05/31/23 16:32	
2-Hexanone	25 U	25	2.5	05/31/23 16:32	
4-Methyl-2-pentanone	25 U	25	2.5	05/31/23 16:32	
Acetone	25 U	25	2.5	05/31/23 16:32	
Benzene	13 U	13	2.5	05/31/23 16:32	
Bromochloromethane	13 U	13	2.5	05/31/23 16:32	
Bromodichloromethane	13 U	13	2.5	05/31/23 16:32	
Bromoform	13 U	13	2.5	05/31/23 16:32	
Bromomethane	13 U	13	2.5	05/31/23 16:32	
Carbon Disulfide	25 U	25	2.5	05/31/23 16:32	
Carbon Tetrachloride	13 U	13	2.5	05/31/23 16:32	
Chlorobenzene	13 U	13	2.5	05/31/23 16:32	
Chloroethane	13 U	13	2.5	05/31/23 16:32	
Chloroform	13 U	13	2.5	05/31/23 16:32	
Chloromethane	13 U	13	2.5	05/31/23 16:32	
Cyclohexane	25 U	25	2.5	05/31/23 16:32	
Dibromochloromethane	13 U	13	2.5	05/31/23 16:32	
Dichlorodifluoromethane (CFC 12)	13 U	13	2.5	05/31/23 16:32	
Dichloromethane	13 U	13	2.5	05/31/23 16:32	
Ethylbenzene	13 U	13	2.5	05/31/23 16:32	
Isopropylbenzene (Cumene)	13 U	13	2.5	05/31/23 16:32	
Methyl Acetate	25 U	25	2.5	05/31/23 16:32	
Methyl tert-Butyl Ether	13 U	13	2.5	05/31/23 16:32	
Methylcyclohexane	25 U	25	2.5	05/31/23 16:32	
Styrene	13 U	13	2.5	05/31/23 16:32	
Tetrachloroethene (PCE)	13 U	13	2.5	05/31/23 16:32	
Toluene	13 U	13	2.5	05/31/23 16:32	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/18/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	MW-X	**Units:**	ug/L
Lab Code:	R2304485-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	**170 D**	13	2.5	05/31/23 16:32	
Trichlorofluoromethane (CFC 11)	13 U	13	2.5	05/31/23 16:32	
Vinyl Chloride	13 U	13	2.5	05/31/23 16:32	
cis-1,2-Dichloroethene	**100 D**	13	2.5	05/31/23 16:32	
cis-1,3-Dichloropropene	13 U	13	2.5	05/31/23 16:32	
m,p-Xylenes	13 U	13	2.5	05/31/23 16:32	
o-Xylene	13 U	13	2.5	05/31/23 16:32	
trans-1,2-Dichloroethene	13 U	13	2.5	05/31/23 16:32	
trans-1,3-Dichloropropene	13 U	13	2.5	05/31/23 16:32	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	05/31/23 16:32	
Dibromofluoromethane	92	80 - 116	05/31/23 16:32	
Toluene-d8	93	87 - 121	05/31/23 16:32	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:50
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	Field Blank	**Units:**	ug/L
Lab Code:	R2304485-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 13:28	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 13:28	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 13:28	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 13:28	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 13:28	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 13:28	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 13:28	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 13:28	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 13:28	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 13:28	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
1,4-Dioxane	100 U	100	1	05/31/23 13:28	
2-Butanone (MEK)	10 U	10	1	05/31/23 13:28	
2-Hexanone	10 U	10	1	05/31/23 13:28	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 13:28	
Acetone	10 U	10	1	05/31/23 13:28	
Benzene	5.0 U	5.0	1	05/31/23 13:28	
Bromochloromethane	5.0 U	5.0	1	05/31/23 13:28	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 13:28	
Bromoform	5.0 U	5.0	1	05/31/23 13:28	
Bromomethane	5.0 U	5.0	1	05/31/23 13:28	
Carbon Disulfide	10 U	10	1	05/31/23 13:28	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 13:28	
Chlorobenzene	5.0 U	5.0	1	05/31/23 13:28	
Chloroethane	5.0 U	5.0	1	05/31/23 13:28	
Chloroform	5.0 U	5.0	1	05/31/23 13:28	
Chloromethane	5.0 U	5.0	1	05/31/23 13:28	
Cyclohexane	10 U	10	1	05/31/23 13:28	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 13:28	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 13:28	
Dichloromethane	5.0 U	5.0	1	05/31/23 13:28	
Ethylbenzene	5.0 U	5.0	1	05/31/23 13:28	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 13:28	
Methyl Acetate	10 U	10	1	05/31/23 13:28	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 13:28	
Methylcyclohexane	10 U	10	1	05/31/23 13:28	
Styrene	5.0 U	5.0	1	05/31/23 13:28	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 13:28	
Toluene	5.0 U	5.0	1	05/31/23 13:28	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/19/23 10:50
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	Field Blank	**Units:**	ug/L
Lab Code:	R2304485-010	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 13:28	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 13:28	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 13:28	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 13:28	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 13:28	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 13:28	
o-Xylene	5.0 U	5.0	1	05/31/23 13:28	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 13:28	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 13:28	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	05/31/23 13:28	
Dibromofluoromethane	94	80 - 116	05/31/23 13:28	
Toluene-d8	97	87 - 121	05/31/23 13:28	

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/16/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2304485-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 16:21	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 16:21	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 16:21	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 16:21	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 16:21	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 16:21	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 16:21	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 16:21	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 16:21	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 16:21	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
1,4-Dioxane	100 U	100	1	05/30/23 16:21	
2-Butanone (MEK)	10 U	10	1	05/30/23 16:21	
2-Hexanone	10 U	10	1	05/30/23 16:21	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 16:21	
Acetone	10 U	10	1	05/30/23 16:21	
Benzene	5.0 U	5.0	1	05/30/23 16:21	
Bromochloromethane	5.0 U	5.0	1	05/30/23 16:21	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 16:21	
Bromoform	5.0 U	5.0	1	05/30/23 16:21	
Bromomethane	5.0 U	5.0	1	05/30/23 16:21	
Carbon Disulfide	10 U	10	1	05/30/23 16:21	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 16:21	
Chlorobenzene	5.0 U	5.0	1	05/30/23 16:21	
Chloroethane	5.0 U	5.0	1	05/30/23 16:21	
Chloroform	5.0 U	5.0	1	05/30/23 16:21	
Chloromethane	5.0 U	5.0	1	05/30/23 16:21	
Cyclohexane	10 U	10	1	05/30/23 16:21	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 16:21	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 16:21	
Dichloromethane	5.0 U	5.0	1	05/30/23 16:21	
Ethylbenzene	5.0 U	5.0	1	05/30/23 16:21	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 16:21	
Methyl Acetate	10 U	10	1	05/30/23 16:21	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 16:21	
Methylcyclohexane	10 U	10	1	05/30/23 16:21	
Styrene	5.0 U	5.0	1	05/30/23 16:21	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 16:21	
Toluene	5.0 U	5.0	1	05/30/23 16:21	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	05/16/23
Sample Matrix:	Water	**Date Received:**	05/19/23 13:28
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	R2304485-011	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/30/23 16:21	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 16:21	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 16:21	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 16:21	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 16:21	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 16:21	
o-Xylene	5.0 U	5.0	1	05/30/23 16:21	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 16:21	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 16:21	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	110	85 - 122	05/30/23 16:21	
Dibromofluoromethane	102	80 - 116	05/30/23 16:21	
Toluene-d8	104	87 - 121	05/30/23 16:21	

QC Summary Forms

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory
1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623
Phone (585) 288-5380 Fax (585) 288-8475
www.alsglobal.com

Client: Bergmann Associates, Incorporated **Service Request:** R2304485
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene 85 - 122	Dibromofluoromethane 80 - 116	Toluene-d8 87 - 121
MW-21	R2304485-001	103	96	98
DR-1	R2304485-002	102	97	98
DR-2	R2304485-003	94	95	97
DR-3	R2304485-004	108	100	101
DR-4	R2304485-005	102	95	97
G-1	R2304485-006	104	96	98
G-2	R2304485-007	95	96	97
G-3	R2304485-008	104	102	101
MW-X	R2304485-009	102	96	97
MW-X DL	R2304485-009	99	92	93
Field Blank	R2304485-010	100	94	97
Trip Blank	R2304485-011	110	102	104
Lab Control Sample	RQ2306629-03	100	96	96
Method Blank	RQ2306629-04	102	96	96
Lab Control Sample	RQ2306700-03	100	97	97
Method Blank	RQ2306700-04	104	95	99

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306629-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/30/23 11:13	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/30/23 11:13	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/30/23 11:13	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/30/23 11:13	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/30/23 11:13	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/30/23 11:13	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/30/23 11:13	
1,2-Dibromoethane	5.0 U	5.0	1	05/30/23 11:13	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
1,2-Dichloroethane	5.0 U	5.0	1	05/30/23 11:13	
1,2-Dichloropropane	5.0 U	5.0	1	05/30/23 11:13	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
1,4-Dioxane	100 U	100	1	05/30/23 11:13	
2-Butanone (MEK)	10 U	10	1	05/30/23 11:13	
2-Hexanone	10 U	10	1	05/30/23 11:13	
4-Methyl-2-pentanone	10 U	10	1	05/30/23 11:13	
Acetone	10 U	10	1	05/30/23 11:13	
Benzene	5.0 U	5.0	1	05/30/23 11:13	
Bromochloromethane	5.0 U	5.0	1	05/30/23 11:13	
Bromodichloromethane	5.0 U	5.0	1	05/30/23 11:13	
Bromoform	5.0 U	5.0	1	05/30/23 11:13	
Bromomethane	5.0 U	5.0	1	05/30/23 11:13	
Carbon Disulfide	10 U	10	1	05/30/23 11:13	
Carbon Tetrachloride	5.0 U	5.0	1	05/30/23 11:13	
Chlorobenzene	5.0 U	5.0	1	05/30/23 11:13	
Chloroethane	5.0 U	5.0	1	05/30/23 11:13	
Chloroform	5.0 U	5.0	1	05/30/23 11:13	
Chloromethane	5.0 U	5.0	1	05/30/23 11:13	
Cyclohexane	10 U	10	1	05/30/23 11:13	
Dibromochloromethane	5.0 U	5.0	1	05/30/23 11:13	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/30/23 11:13	
Dichloromethane	5.0 U	5.0	1	05/30/23 11:13	
Ethylbenzene	5.0 U	5.0	1	05/30/23 11:13	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/30/23 11:13	
Methyl Acetate	10 U	10	1	05/30/23 11:13	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/30/23 11:13	
Methylcyclohexane	10 U	10	1	05/30/23 11:13	
Styrene	5.0 U	5.0	1	05/30/23 11:13	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/30/23 11:13	
Toluene	5.0 U	5.0	1	05/30/23 11:13	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306629-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/30/23 11:13	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/30/23 11:13	
Vinyl Chloride	5.0 U	5.0	1	05/30/23 11:13	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 11:13	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 11:13	
m,p-Xylenes	5.0 U	5.0	1	05/30/23 11:13	
o-Xylene	5.0 U	5.0	1	05/30/23 11:13	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/30/23 11:13	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/30/23 11:13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	102	85 - 122	05/30/23 11:13	
Dibromofluoromethane	96	80 - 116	05/30/23 11:13	
Toluene-d8	96	87 - 121	05/30/23 11:13	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306700-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	5.0 U	5.0	1	05/31/23 11:24	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1,2-Trichloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0 U	5.0	1	05/31/23 11:24	
1,1-Dichloroethane (1,1-DCA)	5.0 U	5.0	1	05/31/23 11:24	
1,1-Dichloroethene (1,1-DCE)	5.0 U	5.0	1	05/31/23 11:24	
1,2,3-Trichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2,4-Trichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dibromo-3-chloropropane (DBCP)	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dibromoethane	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichloroethane	5.0 U	5.0	1	05/31/23 11:24	
1,2-Dichloropropane	5.0 U	5.0	1	05/31/23 11:24	
1,3-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,4-Dichlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
1,4-Dioxane	100 U	100	1	05/31/23 11:24	
2-Butanone (MEK)	10 U	10	1	05/31/23 11:24	
2-Hexanone	10 U	10	1	05/31/23 11:24	
4-Methyl-2-pentanone	10 U	10	1	05/31/23 11:24	
Acetone	10 U	10	1	05/31/23 11:24	
Benzene	5.0 U	5.0	1	05/31/23 11:24	
Bromochloromethane	5.0 U	5.0	1	05/31/23 11:24	
Bromodichloromethane	5.0 U	5.0	1	05/31/23 11:24	
Bromoform	5.0 U	5.0	1	05/31/23 11:24	
Bromomethane	5.0 U	5.0	1	05/31/23 11:24	
Carbon Disulfide	10 U	10	1	05/31/23 11:24	
Carbon Tetrachloride	5.0 U	5.0	1	05/31/23 11:24	
Chlorobenzene	5.0 U	5.0	1	05/31/23 11:24	
Chloroethane	5.0 U	5.0	1	05/31/23 11:24	
Chloroform	5.0 U	5.0	1	05/31/23 11:24	
Chloromethane	5.0 U	5.0	1	05/31/23 11:24	
Cyclohexane	10 U	10	1	05/31/23 11:24	
Dibromochloromethane	5.0 U	5.0	1	05/31/23 11:24	
Dichlorodifluoromethane (CFC 12)	5.0 U	5.0	1	05/31/23 11:24	
Dichloromethane	5.0 U	5.0	1	05/31/23 11:24	
Ethylbenzene	5.0 U	5.0	1	05/31/23 11:24	
Isopropylbenzene (Cumene)	5.0 U	5.0	1	05/31/23 11:24	
Methyl Acetate	10 U	10	1	05/31/23 11:24	
Methyl tert-Butyl Ether	5.0 U	5.0	1	05/31/23 11:24	
Methylcyclohexane	10 U	10	1	05/31/23 11:24	
Styrene	5.0 U	5.0	1	05/31/23 11:24	
Tetrachloroethene (PCE)	5.0 U	5.0	1	05/31/23 11:24	
Toluene	5.0 U	5.0	1	05/31/23 11:24	

Analytical Report

Client:	Bergmann Associates, Incorporated	**Service Request:**	R2304485
Project:	Q2 Gowanda 2023/14263.12	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	RQ2306700-04	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	5.0 U	5.0	1	05/31/23 11:24	
Trichlorofluoromethane (CFC 11)	5.0 U	5.0	1	05/31/23 11:24	
Vinyl Chloride	5.0 U	5.0	1	05/31/23 11:24	
cis-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 11:24	
cis-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 11:24	
m,p-Xylenes	5.0 U	5.0	1	05/31/23 11:24	
o-Xylene	5.0 U	5.0	1	05/31/23 11:24	
trans-1,2-Dichloroethene	5.0 U	5.0	1	05/31/23 11:24	
trans-1,3-Dichloropropene	5.0 U	5.0	1	05/31/23 11:24	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	104	85 - 122	05/31/23 11:24	
Dibromofluoromethane	95	80 - 116	05/31/23 11:24	
Toluene-d8	99	87 - 121	05/31/23 11:24	

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304485
Date Analyzed: 05/30/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306629-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.7	20.0	98	75-125
1,1,2,2-Tetrachloroethane	8260C	19.4	20.0	97	78-126
1,1,2-Trichloroethane	8260C	19.5	20.0	97	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	20.7	20.0	104	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	20.9	20.0	105	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	21.3	20.0	106	69-142
1,2,3-Trichlorobenzene	8260C	18.6	20.0	93	67-136
1,2,4-Trichlorobenzene	8260C	18.1	20.0	91	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.5	20.0	92	55-136
1,2-Dibromoethane	8260C	18.8	20.0	94	82-127
1,2-Dichlorobenzene	8260C	19.1	20.0	95	80-119
1,2-Dichloroethane	8260C	19.3	20.0	96	71-127
1,2-Dichloropropane	8260C	19.9	20.0	99	80-119
1,3-Dichlorobenzene	8260C	19.1	20.0	95	83-121
1,4-Dichlorobenzene	8260C	19.3	20.0	96	79-119
1,4-Dioxane	8260C	372	400	93	44-154
2-Butanone (MEK)	8260C	19.0	20.0	95	61-137
2-Hexanone	8260C	22.1	20.0	111	63-124
4-Methyl-2-pentanone	8260C	22.0	20.0	110	66-124
Acetone	8260C	17.1	20.0	85	40-161
Benzene	8260C	19.9	20.0	99	79-119
Bromochloromethane	8260C	20.6	20.0	103	81-126
Bromodichloromethane	8260C	18.4	20.0	92	81-123
Bromoform	8260C	18.8	20.0	94	65-146
Bromomethane	8260C	19.9	20.0	100	42-166
Carbon Disulfide	8260C	21.7	20.0	108	66-128
Carbon Tetrachloride	8260C	19.1	20.0	96	70-127
Chlorobenzene	8260C	18.8	20.0	94	80-121
Chloroethane	8260C	19.4	20.0	97	62-131
Chloroform	8260C	19.9	20.0	99	79-120
Chloromethane	8260C	22.1	20.0	111	72-179
Cyclohexane	8260C	20.4	20.0	102	69-120
Dibromochloromethane	8260C	18.4	20.0	92	72-128

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304485
Date Analyzed: 05/30/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306629-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	17.8	20.0	89	59-155
Dichloromethane	8260C	20.8	20.0	104	73-122
Ethylbenzene	8260C	19.5	20.0	97	76-120
Isopropylbenzene (Cumene)	8260C	19.7	20.0	98	77-128
Methyl Acetate	8260C	15.4	20.0	77	61-133
Methyl tert-Butyl Ether	8260C	19.9	20.0	99	75-118
Methylcyclohexane	8260C	20.8	20.0	104	51-129
Styrene	8260C	19.6	20.0	98	80-124
Tetrachloroethene (PCE)	8260C	18.5	20.0	92	72-125
Toluene	8260C	19.2	20.0	96	79-119
Trichloroethene (TCE)	8260C	18.8	20.0	94	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.9	20.0	105	71-136
Vinyl Chloride	8260C	19.0	20.0	95	74-159
cis-1,2-Dichloroethene	8260C	20.4	20.0	102	80-121
cis-1,3-Dichloropropene	8260C	20.5	20.0	103	77-122
m,p-Xylenes	8260C	38.2	40.0	96	80-126
o-Xylene	8260C	19.3	20.0	97	79-123
trans-1,2-Dichloroethene	8260C	20.6	20.0	103	73-118
trans-1,3-Dichloropropene	8260C	20.5	20.0	102	71-133

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304485
Date Analyzed: 05/31/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306700-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	19.6	20.0	98	75-125
1,1,2,2-Tetrachloroethane	8260C	20.6	20.0	103	78-126
1,1,2-Trichloroethane	8260C	20.0	20.0	100	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	20.6	20.0	103	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	20.7	20.0	104	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	20.6	20.0	103	69-142
1,2,3-Trichlorobenzene	8260C	19.0	20.0	95	67-136
1,2,4-Trichlorobenzene	8260C	18.6	20.0	93	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	18.8	20.0	94	55-136
1,2-Dibromoethane	8260C	19.5	20.0	98	82-127
1,2-Dichlorobenzene	8260C	19.5	20.0	98	80-119
1,2-Dichloroethane	8260C	19.3	20.0	96	71-127
1,2-Dichloropropane	8260C	20.5	20.0	102	80-119
1,3-Dichlorobenzene	8260C	19.5	20.0	98	83-121
1,4-Dichlorobenzene	8260C	19.2	20.0	96	79-119
1,4-Dioxane	8260C	415	400	104	44-154
2-Butanone (MEK)	8260C	17.4	20.0	87	61-137
2-Hexanone	8260C	19.2	20.0	96	63-124
4-Methyl-2-pentanone	8260C	19.6	20.0	98	66-124
Acetone	8260C	16.1	20.0	81	40-161
Benzene	8260C	20.3	20.0	101	79-119
Bromochloromethane	8260C	20.4	20.0	102	81-126
Bromodichloromethane	8260C	19.1	20.0	95	81-123
Bromoform	8260C	19.0	20.0	95	65-146
Bromomethane	8260C	21.3	20.0	106	42-166
Carbon Disulfide	8260C	19.4	20.0	97	66-128
Carbon Tetrachloride	8260C	19.5	20.0	98	70-127
Chlorobenzene	8260C	19.7	20.0	99	80-121
Chloroethane	8260C	19.3	20.0	97	62-131
Chloroform	8260C	20.4	20.0	102	79-120
Chloromethane	8260C	22.5	20.0	112	72-179
Cyclohexane	8260C	20.6	20.0	103	69-120
Dibromochloromethane	8260C	19.3	20.0	96	72-128

Client: Bergmann Associates, Incorporated
Project: Q2 Gowanda 2023/14263.12
Sample Matrix: Water

Service Request: R2304485
Date Analyzed: 05/31/23

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2306700-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	17.1	20.0	86	59-155
Dichloromethane	8260C	20.7	20.0	104	73-122
Ethylbenzene	8260C	20.1	20.0	101	76-120
Isopropylbenzene (Cumene)	8260C	20.2	20.0	101	77-128
Methyl Acetate	8260C	15.6	20.0	78	61-133
Methyl tert-Butyl Ether	8260C	20.7	20.0	103	75-118
Methylcyclohexane	8260C	21.3	20.0	107	51-129
Styrene	8260C	20.6	20.0	103	80-124
Tetrachloroethene (PCE)	8260C	19.3	20.0	97	72-125
Toluene	8260C	19.6	20.0	98	79-119
Trichloroethene (TCE)	8260C	19.2	20.0	96	74-122
Trichlorofluoromethane (CFC 11)	8260C	20.9	20.0	104	71-136
Vinyl Chloride	8260C	18.8	20.0	94	74-159
cis-1,2-Dichloroethene	8260C	20.5	20.0	103	80-121
cis-1,3-Dichloropropene	8260C	21.1	20.0	105	77-122
m,p-Xylenes	8260C	39.8	40.0	99	80-126
o-Xylene	8260C	19.9	20.0	100	79-123
trans-1,2-Dichloroethene	8260C	20.1	20.0	100	73-118
trans-1,3-Dichloropropene	8260C	21.0	20.0	105	71-133

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FIELD FORMS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 61 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-1
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 6.4
Depth to bottom of the well: 16.02
Length of water column in well: 9.62

Volume of water in well casing, gallons: 1.5681
3 Well volumes (= length water column X gal/foot X 3): 4.70
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.26	°C								
pH	7.08									
Conductivity	0.05	SPC ms/cm								
Oxygen	3.38	DO mg/L								
Salinity										

Time sample was collected: 6:57

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 61 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-2
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 6.1
Depth to bottom of the well: 17.15
Length of water column in well: 11.05

Volume of water in well casing, gallons: 1.80
3 Well volumes (= length water column X gal/foot X 3): 5.40
Actual volume purged prior to sampling: 5.50
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	N/A	NTU								
Temperature		°C								
pH										
Conductivity		SPC ms/cm								
Oxygen		DO mg/L								
Salinity										

Time sample was collected: 6:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 61 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-3
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 6.68
Depth to bottom of the well: 16.30
Length of water column in well: 9.62

Volume of water in well casing, gallons: 1.6
3 Well volumes (= length water column X gal/foot X 3): 4.70
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.85	°C								
pH	7.09									
Conductivity	0.042	SPC ms/cm								
Oxygen	4.72	DO mg/L								
Salinity										

Time sample was collected: 6:20

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 61 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-4
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 7.62
Depth to bottom of the well: 15.78
Length of water column in well: 8.16

Volume of water in well casing, gallons: 1.3301
3 Well volumes (= length water column X gal/foot X 3): 3.99
Actual volume purged prior to sampling: 4.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	347.65	NTU								
Temperature	8.9	°C								
pH	6.97									
Conductivity	0.603	SPC ms/cm								
Oxygen	7.58	DO mg/L								
Salinity										

Time sample was collected: 9:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-5
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 11.2
Depth to bottom of the well: 13.95
Length of water column in well: 2.75

Volume of water in well casing, gallons: 0.45
3 Well volumes (= length water column X gal/foot X 3): 1.34
Actual volume purged prior to sampling: 1.50
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	13.75	°C								
pH	7.23									
Conductivity	0.044	SPC ms/cm								
Oxygen	8.34	DO mg/L								
Salinity										

Time sample was collected: 15:25

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-6
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 13.54
Depth to bottom of the well: 22.88
Length of water column in well: 9.34

Volume of water in well casing, gallons: 1.52
3 Well volumes (= length water column X gal/foot X 3): 4.57
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	14.24	°C								
pH	7.38									
Conductivity	0.04	SPC ms/cm								
Oxygen	4.68	DO mg/L								
Salinity										

Time sample was collected: 15:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-7
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 13.55
Depth to bottom of the well: 21.8
Length of water column in well: 8.25

Volume of water in well casing, gallons: 1.3
3 Well volumes (= length water column X gal/foot X 3): 4.03
Actual volume purged prior to sampling: 4.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	9.93	°C								
pH	7.09									
Conductivity	0.605	SPC ms/cm								
Oxygen	5.76	DO mg/L								
Salinity										

Time sample was collected: 8:23

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 10/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-8
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 9.79
Depth to bottom of the well: 17.65
Length of water column in well: 7.86

Volume of water in well casing, gallons: 1.28
3 Well volumes (= length water column X gal/foot X 3): 3.844
Actual volume purged prior to sampling: 4.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.09	°C								
pH	7.17									
Conductivity	0.052	SPC ms/cm								
Oxygen	6.02	DO mg/L								
Salinity										

Time sample was collected: 7:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-9
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 9.35
Depth to bottom of the well: 20.96
Length of water column in well: 11.61

Volume of water in well casing, gallons: 1.89
3 Well volumes (= length water column X gal/foot X 3): 5.677
Actual volume purged prior to sampling: 5.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.93	°C								
pH	6.90									
Conductivity	0.051	SPC ms/cm								
Oxygen	4.03	DO mg/L								
Salinity										

Time sample was collected: 8:35

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-10
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 7.08
Depth to bottom of the well: 19.44
Length of water column in well: 12.36

Volume of water in well casing, gallons: 2.0
3 Well volumes (= length water column X gal/foot X 3): 6.05
Actual volume purged prior to sampling: 6.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.71	°C								
pH	7.02									
Conductivity	0.042	SPC ms/cm								
Oxygen	2.91	DO mg/L								
Salinity										

Time sample was collected: 8:08

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-11
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 6.48
Depth to bottom of the well: 15.48
Length of water column in well: 9

Volume of water in well casing, gallons: 1.467
3 Well volumes (= length water column X gal/foot X 3): 4.401
Actual volume purged prior to sampling: 4.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.14	°C								
pH	7.00									
Conductivity	0.485	SPC ms/cm								
Oxygen	3.51	DO mg/L								
Salinity										

Time sample was collected: 12:53

COMMENTS MX-X from this well

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-12
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 6.8
Depth to bottom of the well: 17.38
Length of water column in well: 10.58

Volume of water in well casing, gallons: 1.72
3 Well volumes (= length water column X gal/foot X 3): 5.17
Actual volume purged prior to sampling: 5.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.94	°C								
pH	6.93									
Conductivity	0.419	SPC ms/cm								
Oxygen	2.76	DO mg/L								
Salinity										

Time sample was collected: 13:15

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-13
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 7.48
Depth to bottom of the well: 17.40
Length of water column in well: 9.92

Volume of water in well casing, gallons: 1.617
3 Well volumes (= length water column X gal/foot X 3): 4.85
Actual volume purged prior to sampling: 5.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.11	°C								
pH	6.94									
Conductivity	0.365	SPC ms/cm								
Oxygen	3.20	DO mg/L								
Salinity										

Time sample was collected: 13:28

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel:

GROUNDWATER SAMPLE POINT

Well Number: MW-14
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 10.84
Depth to bottom of the well: 18.15
Length of water column in well: 7.31

Volume of water in well casing, gallons: 1.19
3 Well volumes (= length water column X gal/foot X 3): 3.57
Actual volume purged prior to sampling: 3.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.7	°C								
pH	6.97									
Conductivity	0.455	SPC ms/cm								
Oxygen	3.35	DO mg/L								
Salinity										

Time sample was collected: 13:41

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-15
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 10.42
Depth to bottom of the well: 19.80
Length of water column in well: 9.38

Volume of water in well casing, gallons: 1.5289
3 Well volumes (= length water column X gal/foot X 3): 4.59
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.72	°C								
pH	7.01									
Conductivity	0.38	SPC ms/cm								
Oxygen	4.60	DO mg/L								
Salinity										

Time sample was collected: 10:05

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-16
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 13.19
Depth to bottom of the well: 23.26
Length of water column in well: 10.07

Volume of water in well casing, gallons: 1.6414
3 Well volumes (= length water column X gal/foot X 3): 4.9242
Actual volume purged prior to sampling: 5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	9.26	°C								
pH	7.02									
Conductivity	0.642	SPC ms/cm								
Oxygen	4.98	DO mg/L								
Salinity										

Time sample was collected: 8:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 3/10/2023
Weather: 29 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-17
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 13.43
Depth to bottom of the well: 25.18
Length of water column in well: 11.75

Volume of water in well casing, gallons: 1.9153
3 Well volumes (= length water column X gal/foot X 3): 5.75
Actual volume purged prior to sampling: 5.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	N/A	NTU								
Temperature	13.12	°C								
pH	7.17									
Conductivity	0.501	SPC ms/cm								
Oxygen	5.32	DO mg/L								
Salinity										

Time sample was collected: 14:53

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-18
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 9.68
Depth to bottom of the well: 25.0
Length of water column in well: 15.3

Volume of water in well casing, gallons: 2.4972
3 Well volumes (= length water column X gal/foot X 3): 7.49
Actual volume purged prior to sampling: 7.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged?
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	15.55	°C								
pH	7.53									
Conductivity	0.05	SPC ms/cm								
Oxygen	8.6	DO mg/L								
Salinity										

Time sample was collected: 10:18

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-19R
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 8.32
Depth to bottom of the well: 17.67
Length of water column in well: 9.35

Volume of water in well casing, gallons: 1.5
3 Well volumes (= length water column X gal/foot X 3): 4.57
Actual volume purged prior to sampling: 4.75
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	12.43	°C								
pH	7.17									
Conductivity	0.052	SPC ms/cm								
Oxygen	8.56	DO mg/L								
Salinity										

Time sample was collected: 9:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-20
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 10.18
Depth to bottom of the well: 14.75
Length of water column in well: 4.57

Volume of water in well casing, gallons: 0.7449
3 Well volumes (= length water column X gal/foot X 3): 2.2347
Actual volume purged prior to sampling: 2.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	N/A	NTU								
Temperature	14.02	°C								
pH	7.28									
Conductivity	0.044	SPC ms/cm								
Oxygen	4.86	DO mg/L								
Salinity										

Time sample was collected: 15:40

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 71 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: MW-21
Location:
Casing Diameter: 2"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 9.9
Depth to bottom of the well: 15.82
Length of water column in well: 5.92

Volume of water in well casing, gallons: 0.965
3 Well volumes (= length water column X gal/foot X 3): 2.89
Actual volume purged prior to sampling: 3.0
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	13.1	°C								
pH	7.37									
Conductivity	0.052	SPC ms/cm								
Oxygen	5.42	DO mg/L								
Salinity										

Time sample was collected: 10:45

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 31 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: DR-1
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 7.68
Depth to bottom of the well: 18.06
Length of water column in well: 10.38

Volume of water in well casing, gallons: 6.7781
3 Well volumes (= length water column X gal/foot X 3): 20.334
Actual volume purged prior to sampling: 20.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

			Accumulated Volume Purged in Gallons							
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.14	°C								
pH	7									
Conductivity	0.48	SPC ms/cm								
Oxygen	3.51	DO mg/L								
Salinity										

Time sample was collected: 12:30

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: DR-2
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 7.45
Depth to bottom of the well: 18.06
Length of water column in well: 10.61

Volume of water in well casing, gallons: 6.9283
3 Well volumes (= length water column X gal/foot X 3): 20.78
Actual volume purged prior to sampling: 21
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.08	°C								
pH	7.16									
Conductivity	0.427	SPC ms/cm								
Oxygen	3.26	DO mg/L								
Salinity										

Time sample was collected: 11:58

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: DR-3
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 11.89
Depth to bottom of the well: 20.45
Length of water column in well: 8.56

Volume of water in well casing, gallons: 5.6
3 Well volumes (= length water column X gal/foot X 3): 16.769
Actual volume purged prior to sampling: 17
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.77	°C								
pH	7.11									
Conductivity	0.463	SPC ms/cm								
Oxygen	3.96	DO mg/L								
Salinity										

Time sample was collected: 11:10

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: DR-4
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 11.8
Depth to bottom of the well: 19.69
Length of water column in well: 7.89

Volume of water in well casing, gallons: 5.15
3 Well volumes (= length water column X gal/foot X 3): 15.46
Actual volume purged prior to sampling: 15.5
Sampling Methodology:
Sampling Equipment: Hand bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.72	°C								
pH	6.99									
Conductivity	0.38	SPC ms/cm								
Oxygen	4.6	DO mg/L								
Salinity										

Time sample was collected: 10:36

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: G-1
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 12.02
Depth to bottom of the well: 22.98
Length of water column in well: 10.96

Volume of water in well casing, gallons: 7.1569
3 Well volumes (= length water column X gal/foot X 3): 21.47
Actual volume purged prior to sampling: 21.5
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	11.58	°C								
pH	7.05									
Conductivity	0.433	SPC ms/cm								
Oxygen	10.3	DO mg/L								
Salinity										

Time sample was collected: 9:44

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/18/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: G-2
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 11.92
Depth to bottom of the well: 20.72
Length of water column in well: 8.80

Volume of water in well casing, gallons: 5.7464
3 Well volumes (= length water column X gal/foot X 3): 17.24
Actual volume purged prior to sampling: 17.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	10.4	°C								
pH	7.05									
Conductivity	0.406	SPC ms/cm								
Oxygen	10.68	DO mg/L								
Salinity										

Time sample was collected: 9:18

COMMENTS

GROUNDWATER SAMPLING WORKSHEET

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

PROJECT NAME: Gowanda Q2 2023
Project Number: 23006924A
Site Location: Gowanda, New York
Sample Date: 5/19/2023
Weather: 66 Degrees F
Personnel: Justin L. O'Brien

GROUNDWATER SAMPLE POINT

Well Number: G-3
Location:
Casing Diameter: 4"

Well Dia.	Volume/Foot
1" =	0.041 gal/foot
2" =	0.163 gal/foot
4" =	0.653 gal/foot
6" =	1.469 gal/foot
8" =	2.611 gal/foot

Depth to water, below top of casing: 10.39
Depth to bottom of the well: 18.15
Length of water column in well: 7.76

Volume of water in well casing, gallons: 5.07
3 Well volumes (= length water column X gal/foot X 3): 15.20
Actual volume purged prior to sampling: 15.25
Sampling Methodology: Hand bailing
Sampling Equipment: Bailer

Well Recharged? N/A
Required Analysis:

FIELD PARAMETER MEASUREMENTS

	Accumulated Volume Purged in Gallons									
Parameter:										
Turbidity	N/A	NTU								
Temperature	13.48	°C								
pH	7.19									
Conductivity	0.057	SPC ms/cm								
Oxygen	5.41	DO mg/L								
Salinity										

Time sample was collected: 14:23

COMMENTS

BERGMANN
ARCHITECTS ENGINEERS PLANNERS

CALIBRATION SHEETS

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

405 Cambridge Ave
Syracuse, NY 13208
Toll-free: (877) 903-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 19092
Description YSI 556
Calibrated 5/3/2023 10:37:06AM

Manufacturer YSI
Model Number 556
Serial Number/ Lot Number 11L100218
Location New York
Department

State Certified
Status Pass
Temp °C 18
Humidity % 59

Calibration Specifications

Group # 1
Group Name PH
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
7.00 / 7.00	PH	7.00	PH	7.00	7.00	0.00%	Pass
4.00 / 4.00	PH	4.00	PH	4.00	4.00	0.00%	Pass
10.00 / 10.00	PH	10.00	PH	10.00	10.00	0.00%	Pass

Group # 2
Group Name Conductivity
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.000

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
1.413 / 1.413	ms/cm	1.413	ms/cm	1.413	1.413	0.00%	Pass

Group # 3
Group Name Redox (ORP)
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
240.00 / 240.00	mv	240.00	mv	240.00	240.00	0.00%	Pass

Group # 4
Group Name Disolved Oxygen Span
Stated Accy Pct of Reading
Range Acc % 0.0000
Reading Acc % 3.0000
Plus/Minus 0.00

Nom In Val / In Val	In Type	Out Val	Out Type	Fnd As	Lft As	Dev%	Pass/Fail
100.00 / 100.00	%	100.00	%	100.00	100.00	0.00%	Pass

INSTRUMENT CALIBRATION REPORT

Pine Environmental Services LLC

405 Cambridge Ave
Syracuse, NY 13208
Toll-free: (877) 903-PINE (7463)

Pine Environmental Services, Inc.

Instrument ID 19092
Description YSI 556
Calibrated 5/3/2023 10:37:06AM

Test Instruments Used During the Calibration **(As Of Cal Entry Date)**

Test Standard ID	Description	Manufacturer	Model Number	Serial Number / Lot Number	Last Cal Date/ Opened Date	Next Cal Date / Expiration Date
NYS COND 1.413 - 2GH566	NYS COND 1.413	AquaPhoenix Scientific	31986	2GH566		8/31/2023
NYS ORP 240 - 2GH171	NYS ORP 240	AquaPhoenix Scientific	32001	2GH171		5/31/2023
NYS PH 10 - 1GF458	NYS PH 10	AquaPhoenix Scientific	32034	16F458		6/30/2023
NYS PH 4 - 1GF366	NYS PH 4	AquaPhoenix Scientific	32017	1GF366		6/30/2023
NYS PH 7 - 2GC931	NYS PH 7	AquaPhoenix Scientific	32025	2GC931		3/31/2024

Notes about this calibration

Calibration Result Calibration Successful
Who Calibrated Joe Filippi

All instruments are calibrated by Pine Environmental Services LLC according to the manufacturer's specifications, but it is the customer's responsibility to calibrate and maintain this unit in accordance with the manufacturer's specifications and/or the customer's own specific needs.

Notify Pine Environmental Services LLC of any defect within 24 hours of receipt of equipment
Please call 800-301-9663 for Technical Assistance